

Railway Recruitment Board

RRB NTPC

Non Technical Popular Categories

CBT Stage-I & II

REASONING

Sampoorna Chapter-Wise

Solved Papers

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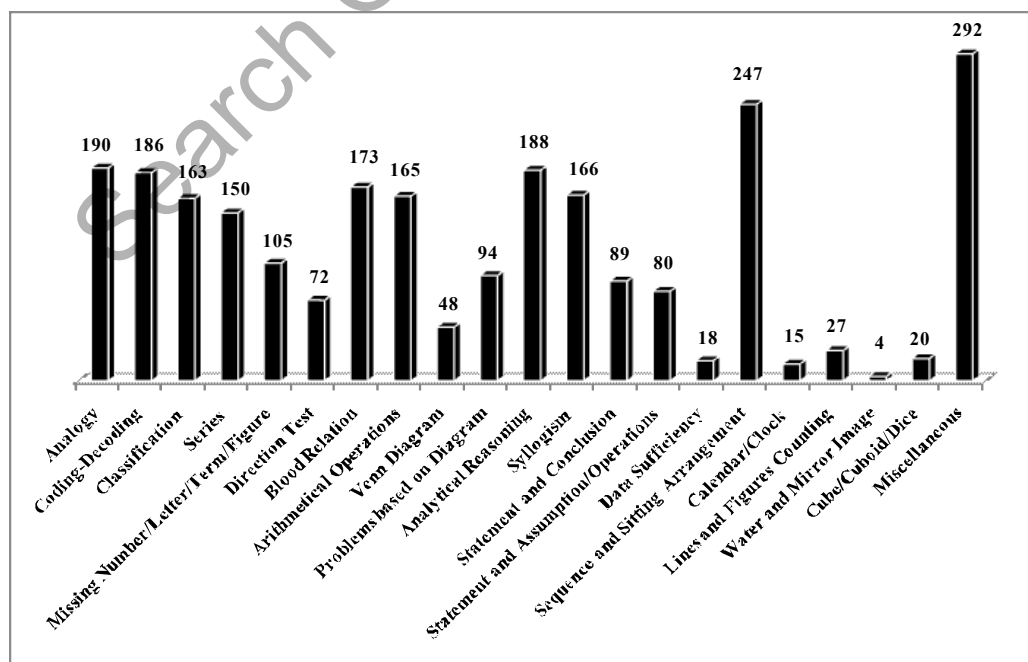
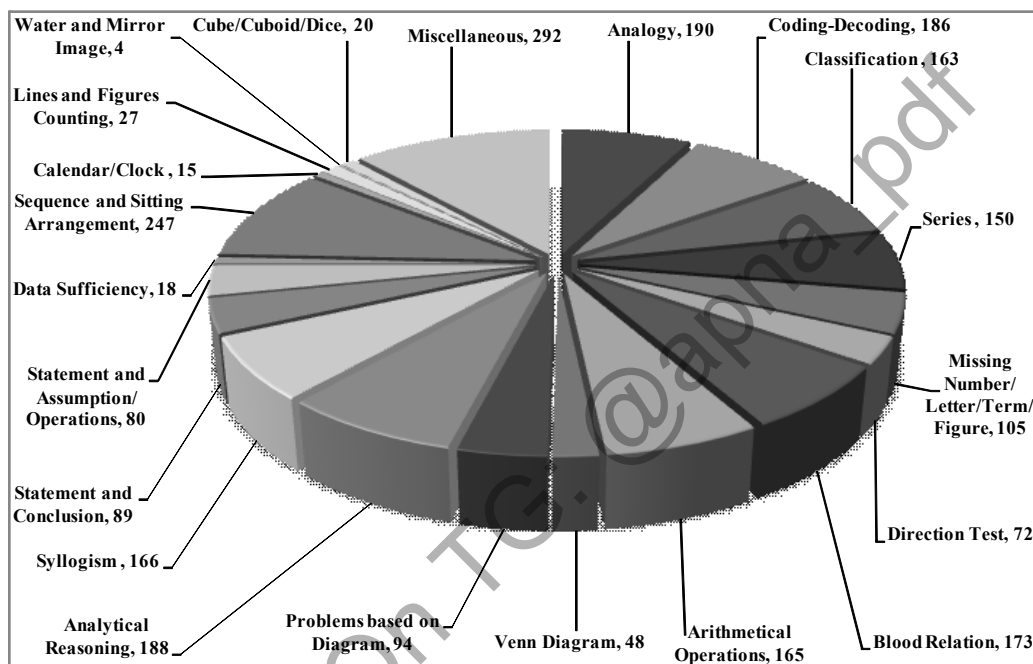
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Trend Analysis of RRB NTPC Previous Year Exams Papers Through Pie Chart and Bar Graph

S.No.	Exam Paper	Exam Date/Year	Ques. No.
1.	NTPC Stage - II	2022	15×120 = 1800
2.	NTPC Stage - I (Graduate Level & Non-Graduate Level)	2019	133×100 = 13300
3.	NTPC Stage - II	2017	9×120 = 1080
4.	NTPC Stage - I (Graduate Level & Non-Graduate Level)	2016	64×100 = 6400
			Total = 22580



Type – 1 : Analogy Based on Words

1. Select the option that is related to the third term in the same way as the second term is related to the first term.

Book : Reading :: Poetry : ?

- (a) Rhyming (b) Singing
(c) Recitation (d) Teaching

RRB NTPC 19.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, book is read. Same as, poetry is read as recitation.

2. Select the option that is related to the third term in the same way as the second term is related to the first term.

Pediatrics : Children :: Neurology : ?

- (a) Veins (b) Eyes
(c) Brain (d) Heart

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (c) : Just as, pediatrics is the branch of medical science that deals with children. Similarly, neurology is the branch of medical science that deals with the human brain.

3. In the following question, select the related words from the given alternatives.

Writer : Pen :: Tailor : ?

- (a) Axe (b) Needle
(c) Saw (d) Scalpel

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (b) : Just as, the writer writes with pen. Same as, tailor stitches clothes with the needle.

4. Select the option that is related to the third word in the same way as the second word is related to the first word.

Shirt : Apparel :: Necklace : ?

- (a) Chain (b) Gold
(c) Jewellery (d) Neck

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, a Shirt is an Apparel. Similarly, a necklace is a 'Jewellery'.

5. Select the option that is related to the third word in the same way as the second word is related to the first word.

Bihar : Jharkhand :: Chhattisgarh :

- (a) Maharashtra (b) Ranchi
(c) Raipur (d) Madhya Pradesh

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (d) : In the way the state of Jharkhand has been formed by dividing Bihar. Similarly, Chhattisgarh has been formed by dividing the state of Madhya Pradesh.

6. Select the option that is related to the third term in the same way as the second term is related to the first term?

Gravity : Discovery :: Telephone : ?

- (a) Experiment (b) Explore
(c) Construct (d) Invention

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, Newton discovered Gravity. Similarly, Telephone was invented by Graham Bell.

7. Select the option that is related to the third term in the same way as the second term is related to the first term?

Happiness : Sorrow :: Conflict : ?

- (a) Competition (b) Harmony
(c) War (d) Anger

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, opposite of Happiness is Sorrow, Similarly, opposite of Conflict is Harmony.

8. Select the option that is related to the third term in the same way as the second term is related to the first term.

Paper : Stapler :: Clothes : ?

- (a) Detergent (b) Dryer
(c) Hanger (d) Washing machine

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (c) : The way of stapler is used to hang or punch the paper. Similarly, hanger are used to hang clothes.

9. Select the option that is related to the third term in the same way as the second term is related to the first term.

Hand : Thumb :: Pen : ?

- (a) Finger (b) Holder
(c) Paper (d) Nib

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, thumb is a part of hand. Similarly, nib is a part of pen.

10. Select the option that is related to the third term in the same way as the second term is related to the first term.

India : Tiger :: Nepal : ?

- (a) Lion (b) Cow
(c) Rhinoceros (d) Leopard

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, Tiger is the National animal of India. Similarly, Cow is the National animal of Nepal.

11. Select the option that is related to the third term in the same way as the second term is related to the first term.

Patient : Doctor :: Student : ?

- (a) Monitor (b) School
(c) Teacher (d) Lecture

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, patient goes to the doctor for diagnosis. Similarly a student goes to the teacher to acquire knowledge.

12. Select the option that is related to the third term in the same way as the second term is related to the first term.

Serene : Calm :: Fierce : ?

- (a) Proud (b) Cooler
(c) Silent (d) Aggressive

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, the synonym of Serene is Calm. Similarly, the synonym of Fierce is Aggressive.

13. Select the option that is related to the third term in the same way as the second term is related to the first term.

Nature : Inherent : Nurture : ?

- (a) Innate (b) Foster
(c) Character (d) Trait

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (b) :

Adjective of Nature = Inherent and Adjective of Nurture = Foster

Hence in place of (?) will be Foster.

14. Select the option in which the words share the same relationship as that shared by the given pair of words. Writer : Pen

- (a) Swimmer : Float (b) Chef : Pan
(c) Dancer : Program (d) Tailor : Dress

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, Writer uses pen to write, Similarly, Chef uses a pan to cook food.

15. Select the option that is related to the third term in the same way as the second term is related to the first term?

RK Narayan : Novel : : RK Laxman : ?

- (a) Art (b) Comics
(c) Advertising (d) Cartoon

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, RK Narayan is related to the novel, in the same way RK Laxman is related to the cartoon.

16. Select the option in which the words share the same relationship as that shared by the given pair of words

Labrador : Dog ::

- (a) Individual : Mankind (b) Jazz : Music
(c) Leaf : Tree (d) Mouse : Cat

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, Labrador is a type of hunting dog which is found in abundance in Canada. Similarly, 'Jazz' is a genre of music in the United States.

17. Select the option that is related to the third term in the same way as the second term is related to the first term

Virus : Disease :: Exercise : ?

- (a) Cycling (b) Walking
(c) Health (d) Jogging

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (c) : Just as, virus is cause of disease. Same as, exercise is cause of health.

18. Select the option that is related to the third term in the same way as the second term is related to the first term.

Himalayas : Ganga : : Satpura : ?

- (a) Kaveri (b) Narmada
(c) Godavari (d) Yamuna

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, the Ganga originates from the Himalayas. Similarly, the Narmada originates from the Satpura hills.

19. Select the option that is related to the third term in the same way as the second term is related to the first term.

Assam : Tezpur :: Kerala : ?

- (a) Jaipur (b) Midnapore
(c) Thenzawl (d) Kochi

RRB NTPC 16.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, Tezpur is a district in Assam. Same as, Kochi is also a district in Kerala.

20. Select the option that is related to the third term in the same way as the second term is related to the first term.

Daman and Diu : Daman :: Andaman and Nicobar : ?

- (a) Nicobar (b) Indira Point
(c) Garacharma (d) Port Blair

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, Daman is the Capital of Daman and Diu. Similarly, the Capital of Andaman and Nicobar is Port Blair.

21. Select the option that is related to the third term in the same way as the second term is related to the first term.

Soldier: Battle Tank :: Farmer: ?

- (a) Water (b) Crop
(c) Land (d) Tractor

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, Battle tank is used for the help of Soldiers in Battle. Same as, Tractor is used for the help of Farmer in Agriculture.

22. Select the option in which the words share the same relationship as that shared by the given pair of words

Rhino : Horn

- (a) Elephant : Tusk (b) Cow : Calf
(c) Dog : Bark (d) Donkey : Bray

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, the rhinoceros has horns. Similarly, the elephant has tusk.

23. Select the option that is related to the third term in the same way as the second term is related to the first term.

Music : Concert :: Acting :

- (a) Song (b) Gymnastics
(c) Dance (d) Theater

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, music is presented in the concert in the same way acting is presented in the theater.

24. Select the option that is related to the third term in the same way as the second term is related to the first term.

Bed : Pillow :: Sofa : ?

- (a) Covers (b) Sheets
(c) Upholstery (d) Cushions

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, pillow is typically placed on a bed in the same way cushions are typically placed on a sofa.

25. Select the option that is related to the third term in the same way as the second term is related to the first term.

Sri Lanka : Island :: India.

- (a) Asia (b) Ocean
(c) Peninsula (d) Plateau

RRB NTPC 01.04.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, Sri Lanka is an Island country, in the same way India is a peninsula country.

26. Select the option that is related to the third term in the same way as the second term is related to the first term.

Fracture : Bone :: Sprain : ?

- (a) Ankle (b) Skin
(c) Ligament (d) Tissue

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, fracture occurs in bone. Same as, sprain occurs in ligament.

27. Select the option in which the words share the same relationship as that shared by the given pair of words.

Chef : Restaurant

- (a) Physician : Patient
(b) Librarian : Catalogue
(c) Carpenter : Wood
(d) Druggist : Pharmacy

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, a chef works in a restaurant. Similarly, a druggist works in a pharmacy.

28. Select the option that is related to the third term in the same way as the second term is related to the first term.

Mason : Builds :: Mechanic : ?

- (a) Cars (b) Tools
(c) Factory (d) Repairs

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, Mason builds home. Similarly, Mechanic repairs mechanical equipments.

29. Select the option that is related to the third term in the same way as the second term is related to the first term.

Dog : Guard :: Horse : ?

- (a) Cart (b) Saddle
(c) Stable (d) Ride

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (d) : Just as, a dog is related to Guard (protect) in the same way a horse is related to ride.

30. Select the option that is related to the third term in the same way as the second term is related to the first term.

Almirah : Storage :: Chair : ?

- (a) Keeping itmes (b) Lying down
(c) Sitting (d) Standing

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (c) : Just as, Almirah is used for storage of item. Similarly, chair is used for sitting.

31. Select the option that is related to the third term in the same way as the second term is related to the first term.

Import : Export :: Expenditure : ?

- (a) Credit (b) Revenue
(c) Budget (d) Economy

RRB NTPC 13.01.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, imports is the exports. Similarly, expenditure is antonym of revenue.

32. Select the option that is related to the third term in the same way as the second term is related to the first term.

Ranthambore : Rajasthan :: Kaziranga : ?

- (a) Assam (b) Nagaland
(c) Meghalaya (d) Manipur

RRB NTPC 19.01.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, Ranthambore is a national park of Rajasthan. Similarly, Kaziranga is a national park of Assam.

33. Select the option that is related to the third term in the same way as the second term is related to the first term.

Country : Coalition :: Worker : ?

- (a) Labour (b) Skill
(c) Union (d) Global

RRB NTPC 01.03.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, there is a coalition in the country. Similarly, there is a union among the workers.

34. Select the option that is related to the third term in the same way as the second term is related to the first term.

Author : Pen :: Surgeon : ?

- (a) Cut (b) Scalpel
(c) Stitch (d) Operation

RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, a Author write with a pen. Similarly surgeons use a scalpel for operation.

35. Select the option in which the words share the same relationship as that shared by the given pair of words.

Cube : Square

- (a) Rectangle : Rhombus (b) Cone : Hat
(c) Sphere : Circle (d) Area : Perimeter

RRB NTPC 09.03.2021 (Shift-II) Stage Ist

Ans. (c) : Just as, Cube is three dimensional and Square is two-dimensional.

Same as, Sphere is three dimensional and Circle is two-dimensional .

36. Select the option that is related to the third term in the same way as the second term is related to the first term.

Bricks : Kiln :: Coins :

- (a) Laboratory (b) Mine
(c) Mint (d) Factory

RRB NTPC 03.04.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, bricks are made in a kiln. Similarly, coins are minted in the mint.

37. Select the option that is related to the third term in the same way as the second term is related to the first term.

Microscope : Telescope :: Magnifying Glass : ?

- (a) Binoculars (b) Kaleidoscope
(c) Camera (d) Projector

RRB NTPC 31.07.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, 'Microscope' is used to see a near object and 'Telescope' is used to see a distant object. Similarly, 'Magnifying glass' are used to see a near object and 'Binoculars' are used to see a distant object.

38. Select the option that is related to the third term in the same way as the second term is related to the first term.

Aircraft : Cabin :: Train : ?

- (a) Platform (b) Track
(c) Engine (d) Coach

RRB NTPC 31.07.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, 'aircraft' has a cabin to sit in. Similarly, a 'train' has a coach to sit on.

39. Select the option that is related to the third term in the same way as the second term is related to the first term.

Day : Week :: Month : ?

- (a) Calendar (b) Annual
(c) Weeks (d) Year

RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, there are 7 days in a week. Similarly, there are 12 month in a year.

Hence, option (d) will be correct answer.

40. Select the option that is related to the third term in the same way as the second term is related to the first term.

Navy : Ship :: Army : ?

- (a) Guns (b) Tanks
(c) Soldier (d) War

RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, a ship (water ship) is used in the Navy similarly a tank is used in the Army.

41. Select the word pair that shares a similar relationship as the word pair shown below.

Word : Book

- (a) Song : Music (b) Leaf : Tree
(c) Sweet : Sugar (d) Sleep : Bed

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, Book has many number of Words. Similarly, Tree has many number of leaves.

Hence, option (b) is right.

42. Select the option that is related to the third term in the same way as the second term is related to the first term.

Boxing : Round :: Badminton : ?

- (a) Point (b) Tournament
(c) Match (d) Game

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, boxing is related to the round, in the same way badminton will be related to game.

43. Select the option that is related to the third term in the same way as the second term is related to the first term.

Law : Order :: Crime : ?

- (a) War (b) Punishment
(c) Peace (d) Criminal

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, order is related to law. Similarly, punishment is related to crime.

44. Select the option that is related to the third term in the same way as the second term is related to the first term.

Clock : Time :: Thermometer : ?

- (a) Temperature (b) Fever
(c) Illness (d) Weather

RRB NTPC 03.02.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, the time is displayed by clock in the same way temperature is displayed by thermometer.

45. Select the option that is related to the third term in the same way as the second term is related to the first term.

Tongue : Taste :: Lungs : ?

- (a) Respiration (b) Perspiration
(c) Cognition (d) Circulation

RRB NTPC 03.02.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, taste is taken by the tongue. In the same way the respiration takes place through the lungs.

46. Select the option in which the words share the same relationship as that shared by the given pair of words.

Photosynthesis = Sun Light

- (a) Writing = Pen (b) Book = Magazine
(c) Printer = Deskjet (d) Fan = Light

RRB NTPC 03.02.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, 'Sunlight' is needed for 'Photosynthesis'. Similarly, 'Pen' is needed for 'Writing'. Hence, the option (a) is correct.

47. Select the option in which the words do NOT share the same relationship as that shared by the rest.

- (a) Parrot : Bird (b) Carrot : Vegetable
(c) Car : Vehicle (d) Fruit : Tree

RRB NTPC 22.02.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, parrot comes under Birds category, carrot comes under Vegetables category, car comes under vehicle category. Whereas, fruits does not comes under the tree category. So, it is different from other.

48. Select the option that is related to the third term in the same way as the second term is related to the first term.

Beauty : See :: Melody : ?

- (a) Touch (b) Hear
(c) Sense (d) Feel

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, 'Beauty' is related to 'See'. Similarly, 'Melody' is related to 'Hear'.

49. Select the option that is related to the third term in the same way as the second term is related to the first term.

Giraffe : Height :: Tiger : ?

- (a) Claws (b) Whisker
(c) Stripe (d) Hunter

RRB NTPC 09.03.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, Giraffes are known for their distinctive physical characteristic, which is their 'Height' similarly Tigers are known for their distinctive physical characteristic, which is their Stripes.

50. Select the option that is related to the third term in the same way as the second term is related to the first term.

Wallet : Money :: Pen drive : ?

- (a) Storage (b) Pocket
(c) Data (d) Computer

RRB NTPC 15.03.2021 (Shift-II) Stage Ist

Ans. (c) : Just as money is kept in a wallet, Similarly data is storage in Pen drive.

51. Select the option that is related to the third term in the same way as the second term is related to the first term.

Laboratory : Manual :: Library : ?

- (a) Book - shelf (b) Catalogue
(c) Librarian (d) Books

RRB NTPC 21.03.2021 (Shift-II) Stage Ist

Ans. (b) : A laboratory manual is a guide is a guide or reference book used in a laboratory, Similarly a library catalogue is a guide or reference book that lists and organizes the books in a library.

52. Select the pair from given alternative that are related like the words of the first pair.

Uncouth : Civilized : :

- (a) Ruthless : Brave (b) Wild : Animal
(c) Dark : Light (d) Illiterate : Book

RRB NTPC 12.04.2016 Shift : III

Ans. (c) : Just as, the word uncouth is the opposite of civilized. Same as, the word dark is opposite of light.

53. Select the pair from given alternative that are related like the words of the first pair

Mountain : Height : :

- (a) River : Water (b) Cave : Depth
(c) Valley : Beauty (d) Moon : Shadow

RRB NTPC 16.04.2016 Shift : II

Ans. (b) : Just as, mountain is known for its height. Same as, cave is known for its depth.

54. Based on the analogy given, find the missing word from the given options?

Mother : Child :: Cloud : ?

- (a) Rain (b) Thunder
(c) Water (d) Weather

RRB NTPC 18.04.2016 Shift : I

Ans. (a) : Just as, the child is born from mother. Same as, rain originates from cloud.

55. Complete the analogy by choosing most appropriate option.

Bird : Wings :: Fish : ?

- (a) Gills (b) Head
(c) Fins (d) Legs

RRB NTPC 19.04.2016 Shift : I

Ans. (c) : The way a bird flies in the sky with wings. Similarly, a fish swims in the water with fins.

56. Complete the analogy by choosing most appropriate option.

Hard : Stone :: Soft : ?

- (a) Feathers (b) Shine
(c) Moon (d) Sand

RRB NTPC 18.01.2017 Shift : II

Ans. (a) : Just as, hard is related with stone. Same as, soft is related with feathers.

57. Complete the analogy by choosing most appropriate option.

Book : Author :: Furniture ?

- (a) Machine (b) Woodcutter
(c) Wood (d) Carpenter

RRB NTPC 18.01.2017 Shift : II

Ans. (d) : Just as, an author writes book. Same as, carpenter makes furniture.

58. Complete the analogy by choosing most appropriate option.

Tide ebb : Sea :: ? : River

- (a) Dam (b) Hydroelectric
(c) Bank (d) Inflow

RPF Constable 24.07.2019 Shift : II

Ans. (d) : Just as 'Tide ebb' is a movement of water (out word) in the 'Sea'. Similarly 'Inflow' is a movement of water (in word) in a 'River'.

59. Complete the analogy by choosing most appropriate option.

Rice : Carbohydrate :: Sprouted grains : ?

- (a) Water (b) Protein
(c) Heat (d) Fat

RRB NTPC 18.01.2017 Shift : I

Ans. (b) : The way carbohydrate is found in rice, in the same way protein is found in sprouted grains.

60. Select the alternative that shows a similar relationship as the given pair.

Minimum : Maximum

- (a) Worst : Best (b) Happy : Gay
(c) First : Second (d) Sad : Angry

RRB NTPC 30.03.2016 Shift : I

Ans. (a) : Just as, minimum is the opposite of maximum. Same as, worst is the opposite of best.

61. Choose the pair which is related in the same way as the word in the first pair from the given choice.

India : Tiger :: America :

- (a) Unicorn (b) Bald Eagle
(c) Turul (d) Druk

RRB NTPC 02.04.2016 Shift : III

Ans. (b) : Just as, Tiger is the national animal of India. Same as, Bald Eagle is the national animal of America.

62. Choose the pair which is related in the same way as the word in the first pair from the given choice

India : Rupee :: South Africa :

- (a) Dollar (b) Rand
(c) Pound (d) Franc

RRB NTPC 04.04.2016 Shift : III

Ans. (b) : Just as, India's currency is Rupee. Same as, South Africa's currency is Rand.

63. Choose the pair which is related in the same way as the word in the first pair from the given choice.

Water : Sea :: Ice : ?

- (a) Mountain (b) Glacier
(c) Hail (d) Peak

RRB NTPC 17.01.2017 Shift-III

Ans. (b) : Just as, the sea is filled with water. Similarly, the glacier is covered with ice.

64. Choose the pair which is related in the same way as the word in the first pair from the given choice

Sparrow : Grain :: Silk worm : ?

- (a) Maple (b) Pine
(c) Mulberry (d) Silk

RRB NTPC 17.01.2017 Shift-III

Ans. (c) : Just as, Sparrow's diet is grain. Similarly, diet of silk worm is mulberry.

65. Select the right pair from available option:

Eye : Tears :: :

- (a) Sea : Water (b) Volcano : Lava
(c) Heart : Arteries (d) Hungry : Bread

RRB NTPC 17.01.2017 Shift-III

Ans. (b) : The way tears come out of the eye. Same as, lava comes out of the volcano.

66. Select the right pair from available option:

Heat : Cold :: :

- (a) Vast : Big (b) Thin : Thick
(c) Long : High (d) Male : Baby

RRB NTPC 17.01.2017 Shift-III

Ans. (b) : Just as, heat is the opposite of cold. Same as, thin is the opposite of thick.

67. Complete the analogy

Grief : Happiness : Diffidence

- (a) Ignorance (b) Sorrow
(c) Confidence (d) Funky

RRB NTPC 17.01.2017 Shift- II

Ans. (c) : Just as, Grief is the opposite of happiness. Same as, diffidence is the opposite of confidence.

68. Select the option that is related to the third term in the same way as the second term is related to the first term.

Entomology : Insects :: Etymology : ?

- (a) Plants (b) Words
(c) Books (d) Satellites

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (b) : Just as, Insects are studied in Entomology, Similarly Words are studied in Etymology.
Hence, option (b) is the right option.

69. Based on the relationship between the first two words, find out the missing word.

FISHES : AQUARIUM :: BIRDS :

- (a) AVIARY (b) APIARY
(c) BYRE (d) DREY

RRB NTPC 28.04.2016 Shift : II

Ans. (a) : The way fishes are kept in the aquarium just like, birds are kept in the aviary.

70. Based on the relationship between the first two words, find out the missing word.

The Colosseum : Italy :: Petra :

- (a) Mexico (b) Jordan
(c) Germany (d) Brazil

RRB NTPC 28.04.2016 Shift : II

Ans. (b) : Just as, the Colosseum is situated in Italy. Similarly, Petra is situated in Jordan. Petra and the Colosseum, both are a historical place.

71. Based on the relationship between the first two words, find out the missing word.

Bharatanatyam : Tamil Nadu :: Kuchipudi :

- (a) Arunachal Pradesh (b) Odisha
(c) Andhra Pradesh (d) Kerala

RRB NTPC 28.04.2016 Shift : II

Ans. (c) : Just as, classical dance of Tamilnadu is Bharatanatyam similarly, classical dance of Andhra Pradesh is Kuchipudi.

72. Choose the pair which is related in the same way as the words in the first pair from the given choices.

Error : Blunder :: : Excellent

- (a) Acceptable (b) Excel
(c) Unsatisfactory (d) Splendid

RRB NTPC 27.04.2016 Shift : II

Ans. (d) : The way error is synonyms of blunder. Same as, splendid is synonyms of excellent.

73. Choose the pair which is related in the same way as the words in the first pair from the given choices.

NEST : BIRDS :: : LION

- (a) DWELLING (b) BUSH
(c) FOREST (d) DEN

RRB NTPC 26.04.2016 Shift : II

Ans. (d) : Just as, birds live in the nest just like, lion lives in the den.

74. Select the pair from given alternative that are related like the words of the first pair.

WHISKY : DISTILLERY :: BREAD :

- (a) DAIRY (b) BREWERY
(c) BAKERY (d) BARISTA

RRB NTPC 22.04.2016 Shift : III

Ans. (c) : Just as, whisky is produced in distillery. Same as, bread is manufactured in bakery.

75. Find the correct option which has a similar relationship.

Produce : Waste :: Contrast : ?

- (a) Correct (b) Match
(c) Contradict (d) Oppose

RRB NTPC 12.04.2016 Shift : III

Ans. (b) : Just as, waste is opposite of produce. Similarly, contrast is the opposite of match.

76. Select the pair from given alternative that are related like the words of the first pair.

Gram : Grain : Pound :

- (a) Cereals (b) Weight
(c) Height (d) Commodities

RRB NTPC 12.04.2016 Shift : II

Ans. (b) : Just as, gram is a type of grain. Same as, pound is a type of weight.

77. Based on the analogy given, find the missing word from the given options.

Foot : Toes :: Hand : ?

- (a) Thumb (b) Palm
(c) Fingers (d) Nails

RRB NTPC 16.04.2016 Shift : I

Ans. (c) : Just as, toe is related to foot, same as fingers is related to hand.

78. Select the pair from given alternative that are related like the words of the first pair.

Everest : Peak :: :

- (a) Yamuna : River (b) Chilka : Lack
(c) Sparrow : Bird (d) Jupiter : Planet

RRB NTPC 16.04.2016 Shift : I

Ans. (d) : Just as, Everest is the highest peak among the peaks. Same as, Jupiter is the largest planet in the planets.

79. Select the pair from given alternative that are related like the words of the first pair.

Moth : Insect :: Mouse :

- (a) Rodent (b) Cat
(c) Mole (d) Rat

RRB NTPC 18.04.2016 Shift : II

Ans. (a) : Just as, moth is a type of insect. Same as, mouse is type of rodent.

80. Select the pair from given alternative that are related like the words of the first pair
Night blindness : Sight : : : Speech
(a) Talk (b) Stutter
(c) Speak (d) Lecture

RRB NTPC 19.04.2016 Shift : II

Ans. (b) : Just as, night blindness is related to sight disease. Same as, stutter is related to speech disease.

81. Select the pair from given alternative that are related like the words of the first pair.
Circumvent : Bypass : Comprehensible :
(a) Understandable (b) Unclear
(c) Grasping (d) Apprehended

RPF SI 16.01.2019 Shift : I

Ans. (a) : Just as, circumvent is synonym word of Bypass. Similarly, comprehensible is synonym word of understandable.

82. Select the pair from given alternative that are related like the words of the first pair
Avalanche : Ice : : Volcano :
(a) Lava (b) Sand
(c) Heat (d) Earth

RRB NTPC 19.04.2016 Shift : II

Ans. (a) : Just as, ice is produced from avalanche. Same as, lava is produced from volcano.

83. Find the missing word of the second word pair based on the relationship established between the first two words.
Terrestrials : Ants : : Amphibians : ...
(a) Fish (b) Dogs
(c) Frogs (d) Snails

RRB NTPC 18.01.2017 Shift : III

Ans. (c) : Just as, ants is a terrestrial same as frogs is a amphibians.

84. Find the missing word of the second word pair based on the relationship established between the first two words.
USA: Dollar : : Turkey : :
(a) Taka (b) Kyat
(c) Lira (d) Baht

RRB NTPC 18.01.2017 Shift : III

Ans. (c) : Just as, DOLLAR is the currency of USA. Same as, Lira is the currency of Turkey.

85. Choose the related pair from the given alternatives similar to the words given in the first pair.
Tennis : Court : : Boxing : :
(a) Stadium (b) Ring
(c) Pitch (d) Ground

RRB NTPC 02.04.2016 Shift : II

Ans. (b) : The way Tennis is played in court. Similarly, boxing is played in the ring.

86. Choose the related pair from the given alternatives similar to the words given in the first pair.

Cock : Hen : : Stag : :

- (a) Vixen (b) Hind
(c) Goose (d) Heifer

RRB NTPC 03.04.2016 Shift : III

Ans. (b) : Just as, Hen is the feminine gender of "Cock". Same as, Hind is the feminine gender of "Stag".

87. Choose the related pair from the given alternatives similar to the words given in the first pair.

West Bengal : Kolkata : : Meghalaya : ...

- (a) Shillong (b) Dispur
(c) Kohima (d) Trivendrum

RRB NTPC 03.04.2016 Shift : III

Ans. (a) : Just as, Kolkata is the capital of West Bengal. Same as, Shillong is the capital of Meghalaya.

88. If Artifacts : Museum then Books :
(a) School (b) Book Shop
(c) Library (d) Shelf

RRB NTPC 04.04.2016 Shift : II

Ans. (c) : Just as, artifacts are kept in the Museum. Same as, books are kept in the library.

89. Choose the related pair from the given alternatives similar to the words given in the first pair.
Contemporary : Historic : : : Ancient
(a) Past (b) Classic
(c) Modern (d) Future

RRB NTPC 05.04.2016 Shift : III

Ans. (c) : Just as, contemporary is the opposite word of historic. Same as, modern will be the opposite word of ancient.

90. If Voltmeter : Voltage, then Ammeter :
(a) Power (b) Current
(c) Energy (d) Pressure

RRB NTPC 05.04.2016 Shift : II

Ans. (b) : Just as, Voltmeter measured Voltage. Same as, Ammeter measured current.

91. Choose the related pair from the given alternatives similar to the words given in the first pair.
Car : Petrol : : Locomotive : :
(a) Engine (b) Fire
(c) Coal (d) Smoke

RRB NTPC 05.04.2016 Shift-I

Ans. (c) : Just as, petrol is used into the car. Similarly, coal is used in locomotive.

92. The first pair of the word has a definite relation. Get the word of the same relation to complete the other pair.

River : Bank : : Sea : ?

- (a) Shore (b) Creek
(c) Bay (d) Sand

RRB NTPC 17.01.2017 Shift-II

Ans. (a) : Just as, coast of river is called 'bank'. Same as, coast of sea is called 'shore'

Type – 2 : Analogy Based on Words Given in the Sentences

93. Rafting is related to water as Skiing is related to

- (a) Ice (b) Surface
(c) Sneeze (d) Sky

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (a) : Just as rafting is related to water, in the same way Skiing is related to Ice/Snow.

94. Heart is related to 'Cardiology' in the same way as kidney is related to _____

- (a) Nuclear Medicine (b) Nephrology
(c) Neurology (d) Rheumatology

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, the heart is studied under cardiology, same as the kidney is studied under Nephrology.

95. 'Gloves' is related to 'Hand' in the same way as 'Cap' is related to '.....'.

- (a) Neck (b) Back
(c) Head (d) Foot

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, Gloves wears in Hands same as Cap wears on Head.

96. Neigh is related to 'Horse' in the same way as Bleat is related to.

- (a) Dog (b) Bear
(c) Ass (d) Goat

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (d) : Just as, the sound of the horse is neigh in the same way the sound of the goat is bleat.

97. As India is related to 'New Delhi', China is related to _____.

- (a) Pyongyang (b) Seoul
(c) Beijing (d) Tokyo

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (c) : Just as, the capital of India is 'New Delhi', in the same way the capital of China is 'Beijing'.

98. 'Garden' is related to 'Gardener' in the same way as 'Museum' is related to '_____'.
(a) Museology (b) Curator
(c) Artist (d) Guide

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (b) : Just as, Garden is related to Gardener in same way Museum is related to Curator.

99. 'Manipur' is related to 'Imphal' in the same way as 'Nagaland' is related to '_____'

- (a) Gangtok (b) Aizawl
(c) Shilong (d) Kohima

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as, 'Imphal' is the capital of Manipur. Same as, 'Kohima' is the capital of Nagaland.

100. 'Church' is related to 'Christians' in the same way 'Synagogue' is related to '_____'.
(a) Muslims (b) Jews
(c) Parsis (d) Jains

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, Church is the place of worship of Christians. Similarly, "Synagogue" is the worship place of Jews.

101. 'Light' is related to 'Darkness' in the same way as 'Transparent' is related to '_____'.
(a) Glass (b) Translucent
(c) Paper (d) Opaque

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, antonyms of 'light' is 'dark' similarly antonyms of 'transparent' is 'opaque'.

102. 'Cricket' is related to 'Bat', in the same way as 'Tennis' is related to '_____'.
(a) Glove (b) Stick
(c) Wicket (d) Racquet

RRB NTPC 04.02.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, Bat is used to play cricket. Similarly, Racquet is used to play tennis.

103. Select a word from the following four options that is related to the word 'South Africa' in the same way as the word 'Persian' is related to the word 'Iran'.
(a) Country (b) Portuguese
(c) Africa (d) English

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, Persian language is spoken in Iran. Similarly, English is spoken in South Africa.

104. 'Income' is related to which of the following options in the same way as 'Expenditure' is related to 'EMI' ?
(a) Salary (b) Revenue
(c) Profit (d) Tax

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, Income is related with salary. Similarly, Expenditure is related with EMI.

105. Omelete is related to Egg in the same way as metal is related to:
(a) Ore (b) Iron
(c) Gold (d) Aluminium

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, Omelete is obtained from eggs. Same as, Metal is obtained from Ore.

106. A saw is related to wood in the same way as a knife is related to -

- (a) Vegetables (b) Steel
(c) Clothier (d) Cutter

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (a) : Just as, wood is cut with a saw, in the same way vegetables are cut with a knife.

107. 'Supply' is related to 'Demand' in the same way as 'Production' is related to '_____'.
(a) Factory (b) Inventory
(c) Income (d) Consumption

RRB NTPC 18.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, supply is related to demand. Same as, Production is related to consumption.

108. 'Cold' is related to 'Refrigerator' in the same way as 'Hot' is related to '_____'.
(a) Air conditioner (b) Fire
(c) Grinder (d) Oven

RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, a refrigerator is used to cool a thing, in the same way oven is used to heat something.

109. 'Minute' is related to 'Hour' in the same way as 'Inch' is related to '_____'.
(a) Measure (b) Foot
(c) Centigrade (d) Metre

RRB NTPC 20.01.12021 (Shift-II) Stage Ist

Ans. (b) : Just as, 'Minute' is related to 'Hour'. Similarly 'Inch' is related to 'Foot'.

110. Select the option that is related to the 'Paisa' in the same way as the 'centimetre' is related to the metre.
(a) Capital (b) Wealth
(c) Rupee (d) Coin

RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, 100 cm makes 1 meter, in the same way 100 paise makes 1 rupee.

Hence, option (c) will be correct answer.

111. 'Painting' is related to 'Brush' in the same way as 'Letter' is related to '_____'.
(a) Post-Office (b) Writer
(c) Ink (d) Pen

RRB NTPC 30.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, by 'brush' we do 'painting' work. Similarly, by 'pen' we do letter 'writing' work.

112. 'Day' is related to 'Night' in the same way as 'Cold' is related to '_____'.
(a) Fire (b) Winter
(c) Wet (d) Hot

RRB NTPC 09.02.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, the antonym of 'Day' is 'Night'. Similarly, antonym of 'Cold' is 'Hot'.

113. 'Story' is related to 'Reader' in the same way as '_____ ' is related to 'Listener'.

- (a) Song (b) Singer
(c) Dance (d) Lyrics

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (a) : A 'Reader' is someone who consumes or experiences a 'Story' Similarly A 'Listener' is someone who consumes or experiences a 'Song'.

114. 'Waiter' is related to 'Restaurant' in the same way as 'Worker' is related to '_____'.
(a) School (b) Factory
(c) House (d) Shop

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, 'Waiter' is an employee who works in a restaurant. Similarly, 'Worker' is an employee who works in a 'Factory'.

115. Animal is related to Zoology in the same way as Disease is related to:
(a) Cardiology (b) Botany
(c) Pathology (d) Astrology

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (c) : Just as, Animal is related to Zoology. Similarly, Disease is related to Pathology.

116. What is related to 'Furniture' in the same way as 'Building' is related to 'Mason'?
(a) Carpenter (b) Wood
(c) Designer (d) Contractor

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (a) . Just as, Mason builds a Building. Similarly, Carpenter makes a Furniture.

117. Fish-herd is related to fish that colony belongs to.
(a) Ants (b) Cow
(c) Home (d) Life

RRB NTPC 28.03.2016 Shift : III

Ans. (a) : Just as, herd is a group of Fish. Similarly, Colony is a group of to Ants.

118. Solar is related to sun in the same way lunar is related to.
(a) Lunatic (b) Planet
(c) Moon (d) Star

RRB NTPC 30.03.2016 Shift : II

Ans. (c) : The way Solar is related to Sun in the same way Lunar is related to Moon.

119. If Quarantine : Isolation, then Freedom: _____
(a) Separation (b) Detention
(c) Liberation (d) Constitution

RRB NTPC 30.03.2016 Shift : I

Ans. (c) : If quarantine means isolation, then freedom means liberation.



Type – 3 : Analogy Based on the English Alphabet

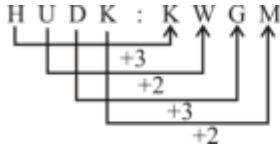
120. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

HUDK : KWGM :: RBNF : UDQH :: LPQV : ?

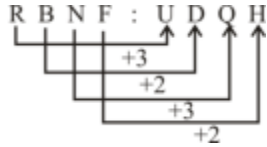
- (a) OSTY (b) NRSX
(c) NSSY (d) ORTX

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)

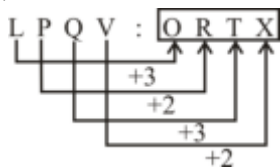
Ans. (d) : Just as,



And,



Same as,



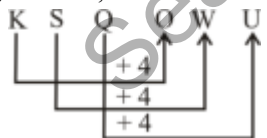
121. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

KSQ : OWU :: FIJ : JMN :: TPV : ?

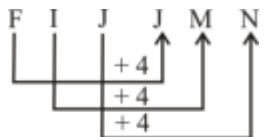
- (a) ZSY (b) XRX
(c) XYZ (d) XTZ

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

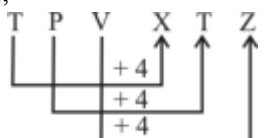
Ans. (d) : Just as,



And,



Same as,



Hence, ? = XTZ

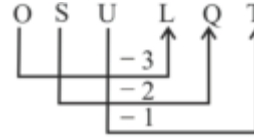
122. Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

OSU : LQT :: IKL : FIK :: ? : JTB

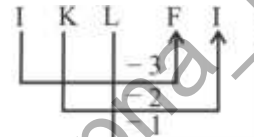
- (a) MVC (b) MWC
(c) NVD (d) NUD

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

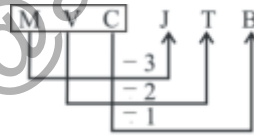
Ans. (a) : Just as,



And,



Same as,



Hence, ? = MVC

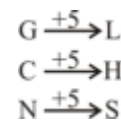
123. Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

GCN : LHS :: OQU : TVZ :: ? : KRY

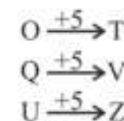
- (a) GNT (b) ENS
(c) DMQ (d) FMT

RRB NTPC (Stage-II) –16/06/2022 (Shift-III)

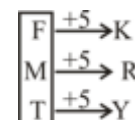
Ans. (d) : Just as,



And,



Same as,





124. Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster is related to the third letter-cluster and second letter-cluster is related to the first letter-cluster.

FTPY : JVTA :: NVZG : RXDI :: MPRE : ?

- (a) QSVH (b) QRVG
(c) PSUH (d) PRUG

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (b) : Just as,

F	T	P	Y
+4	+2	+4	+2
↓	↓	↓	↓
J	V	T	A

And,

N	V	Z	G
+4	+2	+4	+2
↓	↓	↓	↓
R	X	D	I

Same as,

M	P	R	E
+4	+2	+4	+2
↓	↓	↓	↓
Q	R	V	G

125. Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster is related to the third letter-cluster and second letter-cluster is related to the first letter-cluster.

IGRS : NJWV :: BMYF : GPDI :: XQSB : ?

- (a) CUXF (b) BTWE
(c) BUWF (d) CTXE

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (d) : Just as,

I	→ ⁺⁵	N
G	→ ⁺³	J
R	→ ⁺⁵	W
S	→ ⁺³	V

And,

B	→ ⁺⁵	G
M	→ ⁺³	P
Y	→ ⁺⁵	D
F	→ ⁺³	I

Same as,

X	→ ⁺⁵	C
Q	→ ⁺³	T
S	→ ⁺⁵	X
B	→ ⁺³	E

126. Select the option that is related to fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

PJEB : SQHI :: MCQX : PJTE :: LRCT : ?

- (a) OWFY (b) OYFA
(c) QWHY (d) QYHA

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (b) : Just as,

P	J	E	B
+3	+7	+3	+7
↓	↓	↓	↓
S	Q	H	I

And,

M	C	Q	X
+3	+7	+3	+7
↓	↓	↓	↓
P	J	T	E

Same as,

L	R	C	T
+3	+7	+3	+7
↓	↓	↓	↓
O	Y	F	A

127. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

WJOF : ZORK :: CPNY : FUQD :: XRLD : ?

- (a) CWQI (b) AWOI
(c) AUOG (d) CUQG

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (b) : Just as,

W	J	O	F
+3	+5	+3	+5
↓	↓	↓	↓
Z	O	R	K

and,

C	P	N	Y
+3	+5	+3	+5
↓	↓	↓	↓
F	U	Q	D

Same as,

X	R	L	D
+3	+5	+3	+5
↓	↓	↓	↓
A	W	O	I

128. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

EYXJ : IGBR :: CRFQ : GZJY :: ZIQM : ?

- (a) DNUR (b) ENVR
(c) DQUU (d) EQVU

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)



Ans. (c) : Just as,

$E \xrightarrow{+4} I$ $C \xrightarrow{+4} G$
 $Y \xrightarrow{+8} G$ $R \xrightarrow{+8} Z$
 $X \xrightarrow{+4} B$ $F \xrightarrow{+4} J$
 $J \xrightarrow{+8} R$ $Q \xrightarrow{+8} Y$

And,

Same as,

$Z \xrightarrow{+4} D$
 $I \xrightarrow{+8} Q$
 $Q \xrightarrow{+4} U$
 $M \xrightarrow{+8} U$

129. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

SEVERAL:MZSDWDT::TRACKED:
EDLBBQU:: HEADING:?

- (a) HMICBDJ (b) IDBCJMH
(c) JDBCIMH (d) HMJCBDI

RRB NTPC (Stage-II) -15/06/2022 (Shift-II)

Ans. (d) : Just as,

SEVERAL : MZSDWDT

and,

TRACKED : EDLBBQU

Same as,

HEADING : HMJCBDI

130. Select the option that is related to the third term in the same way as the second term is related to the first term.

BOWL : DMYJ :: PLATE : ?

- (a) JRCGV (b) RJCRG
(c) NNYVC (d) RNCVG

RRB NTPC 31.07.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

Same as,

$B \xrightarrow{+2} D$
 $O \xrightarrow{-2} M$
 $W \xrightarrow{+2} Y$
 $L \xrightarrow{-2} J$

$P \xrightarrow{+2} R$
 $L \xrightarrow{-2} J$
 $A \xrightarrow{+2} C$
 $T \xrightarrow{-2} R$
 $E \xrightarrow{+2} G$

Hence, ? = RJCRG

131. Select the option that is related to the third term in the same way as the second term is related to the first term :

DFHJ : EHKJ :: OQSU : ?

- (a) PSVY (b) PQUY
(c) PRVY (d) PRVX

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

D F H J
 $+1 \downarrow +2 \downarrow +3 \downarrow +4 \downarrow$
 E H K N

Same as,

O Q S U
 $+1 \downarrow +2 \downarrow +3 \downarrow +4 \downarrow$
 P S V Y

132. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

RAM : PBO :: SPQ : ?

- (a) QQR (b) QQT
(c) QPS (d) QQS

RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

Same as,

R A M
 $-2 \downarrow +1 \downarrow +2 \downarrow$
 P B O

S P Q
 $-2 \downarrow +1 \downarrow +2 \downarrow$
 Q Q S

Therefore option (d) is correct.

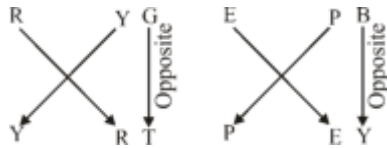
133. RYG is related YRT by a certain logic. Following the same logic, EPB is related to PEY. Which of the given options follows the same logic?

- (a) ASI-SAR (b) ASJ-SAP
(c) ASI-SAP (d) ASJ-SAR

RRB NTPC 26.07.2021 (Shift-I) Stage Ist



Ans. (a) : Just as,



and

Similarly,

From option (a) -



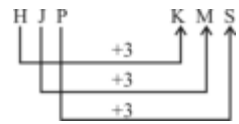
∴ Option (a) follows the given logic.

134. HJP is related to 'KMS' in the same way as 'CDA' is related to _____

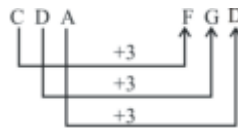
- (a) EFC (b) FHE
(c) GHE (d) FGD

RRB NTPC 01.04.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,



Similarly,



Hence, option (d) is correct.

135. In a certain code language, ALIGATOR is written as LAROGITA. How will COMPUTER be written as in that language?

- (a) PMOCRETU (b) OCREPMTU
(c) OCPMTURE (d) RETUPMOC

RRB NTPC 06.04.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

A L I G A T O R → L A R O G I T A
1 2 3 4 5 6 7 8 2 1 8 7 4 3 6 5

Same As,

C O M P U T E R → O C R E P M T U
1 2 3 4 5 6 7 8 2 1 8 7 4 3 6 5

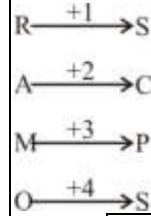
136. Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster. RAMO : SCPS :: VXMJ : ?

- (a) WQZN (b) WQPN
(c) WPZN (d) WZPN

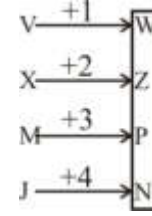
RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (d) :

Just as,



Same as,



Hence, ? = WZPN

137. Select the option that is related to the third term in the same way as the second term is related to the first term.

BLCM : FHGI :: KHWS : ?

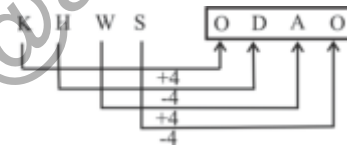
- (a) ODAO (b) OLAW
(c) ODSO (d) OLSO

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,



Same as,



138. Select the letter that can replace the question mark (?) in the following series.

C : X :: D : ?

- (a) X (b) W
(c) U (d) V

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (b) : Just as,

C → Opposite letter → X

Same as,

D → Opposite letter → W

⇒ ? = W

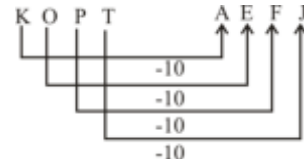
139. Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first term.

KOPT : AEFJ :: QUVZ : ?

- (a) NRSW (b) PTUY
(c) GKLP (d) OSTX

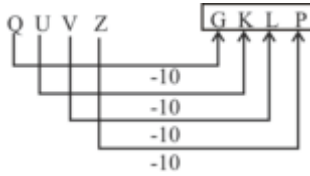
RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (c) : Just as,





Similarly,



Hence ? = GKLP

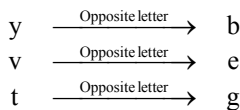
140. Identify the letter-pair from among the given options that expresses a relationship most similar to that expressed in the following letter-pairs.

yb, ve, tg, ?

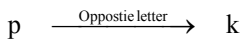
- (a) jl (b) pk
(c) ms (d) ot

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (b) : Just as,



Same as from option (b).



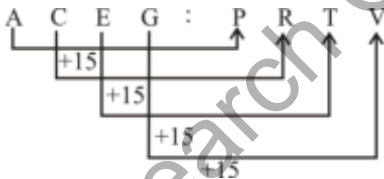
141. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

ACEG : PRTV :: SUWY : ?

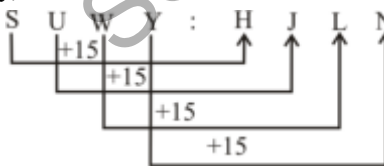
- (a) HFDB (b) GIKM
(c) HJLN (d) HKLM

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (c) : Just as,



Similarly,



Hence, ? = HJLN

142. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

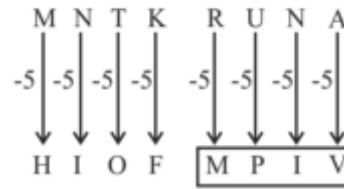
MNTK : HIOF :: RUNA : ?

- (a) MPJV (b) VZSF
(c) MPIV (d) NPIU

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (c) : Just as,

Same as,



Hence, ? = MPIV

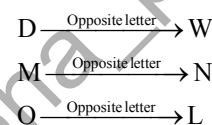
143. Select the option in which the terms share the same relationship as that shared by the given pair of terms.

DMO : WNL

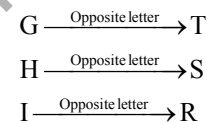
- (a) CFH : XUT (b) ZAT : EGD
(c) DQG : ELP (d) GHI : TSR

RRB NTPC 02.02.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,



Similarly, from option (d)



144. Select the option that is related to the third term in the same way as the second term is related to the first term.

FEAL : LEAF :: EAKT : ?

- (a) ETAK (b) KETA
(c) KATE (d) TAKE

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

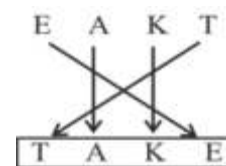
Ans. (d) :

Just as,,



Hence ? = TAKE

Similarly



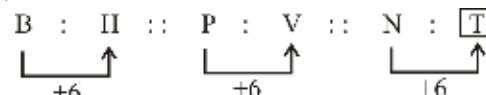
145. Select the letter that can replace the question mark (?) in given series.

B : H :: P : V :: N : ?

- (a) T (b) P
(c) M (d) K

RRB NTPC 11.03.2021 (Shift-II) Stage Ist

Ans. (a) : Given series is as follows-



Hence, ? = T



146. Choose the pair from the given option that are related like the words of the first pair.

PALE : LEAP :: POSH :

- (a) HSPO (b) HSOP
(c) POHS (d) SHOP

RRB NTPC 19.01.2017 Shift : I

Ans. (d) : Just as,

1 2 3 4 3 4 2 1
PALE → LEAP

Same as,

1 2 3 4 3 4 2 1
POSH → SHOP

147. Choose the pair from the given option that are related like the words of the first pair.

ACE : FHJ :: OQS :

- (a) TVX (b) PRS
(c) TXV (d) RPS

RRB NTPC 19.01.2017 Shift : I

Ans. (a) : Just as,

A C E
-5 +5 +5
↓ ↓ ↓
F H J

Same as,

O Q S
-5 -5 -5
↓ ↓ ↓
T V X

148. Complete the code.

CD : GA :: PQ : ?

- (a) SM (b) SN
(c) US (d) TN

RRB NTPC 17.01.2017 Shift-II

Ans. (d) : Just as,

C → +4 → G
D → -3 → A

Similarly,

P → +4 → T
Q → -3 → N

Type -4 : Analogy Based on Numbers

149. Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

11 : 132

- (a) 6 : 48 (b) 9 : 93
(c) 8 : 72 (d) 7 : 61

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (c) :

Just as,

11 : 132
↑
11²+11

Similarly, from option (c)

8 : 72
↑
8²+8

Hence, option (c) is correct.

150. Select the number from the given options that can replace the question mark (?) below:

If 243 (222) 317, then 548 (?) 621

- (a) 210 (b) 219
(c) 211 (d) 209

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, 3 (317 - 243) = 222

Same as, 3 (621 - 548) = 219

151. Select the option that is related to the third number in the same way as the second number is related to the first number :

343 : 1331 : 729 : ?

- (a) 2187 (b) 2197
(c) 2184 (d) 2211

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

343 : 1331
↓ ↓
(7)³ (11)³
↑ ↑
+4

Similarly,

729 : 2197
↓ ↓
(9)³ (13)³
↑ ↑
+4

152. Select the option that is related to the third number in the same way as the second number is related to the first number.

9 : 729 = 11 : ?

- (a) 1024 (b) 112
(c) 1331 (d) 991

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as,

(9)³ → 729

Same as,

(11)³ → 1331

153. Select the option that is related to the third number in the same way as the second number is related to the first number.

14 : 210 :: 16 : ?

- (a) 272 (b) 240
(c) 212 (d) 256

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (b) : As,

14 : 210
↑
×15

Same as,

16 : 240
↑
×15

154. Select the number from among the given options that is related to the third number in the same way as the second number is related to the first number.

3 : 28 :: 9 : ?

- (a) 81 (b) 80
(c) 729 (d) 730

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

3 : 28

↓

(3)³ + 1 = 28

Similarly,

9 : ?

↓

(9)³ + 1 = 729 + 1
= 730

Therefore, ? = 730



155. Select the number from among the options given that is related to the fifth number in the same way as the second and fourth numbers are related to the first and third numbers respectively

$$11 : 143 :: 13 : 221 :: 7 : ?$$

- (a) 35 (b) 56
(c) 57 (d) 77

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (d) : On multiplying into 11 to its next prime number –

$$11 \times 13 = 143$$

Similarly, on multiplying into 13 to its next prime number = $13 \times 17 = 221$

Same as, on multiplying into 7 to its next prime number = $7 \times 11 = 77$

$$11 : 143 :: 13 : 221 :: 7 : 77$$

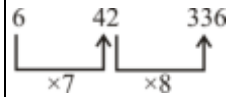
Hence, ? = 77

156. Which of the given number triads has some relationship between them as does 6, 42, 336?

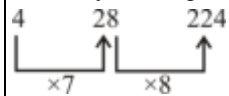
- (a) 7, 21, 106 (b) 9, 6, 224
(c) 4, 28, 224 (d) 2, 4, 642

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (c) : Just as,



Similarly from option (c),



Hence, option (c) is correct.

157. Select the option in which the numbers are related in the same way as are the numbers in the given sets

$$(343, 36, 13), (64, 16, 8), (27, 25, 8)$$

- (a) (28, 25, 8) (b) (81, 27, 12)
(c) (216, 64, 14) (d) (63, 37, 14)

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (c) : In the given number sets-

Just as,

$$(343, 36, 13) \rightarrow [(7)^3, (6)^2, 13] \rightarrow 7 + 6 = 13$$

$$(64, 16, 8) \rightarrow [(4)^3, (4)^2, 8] \rightarrow 4 + 4 = 8$$

$$(27, 25, 8) \rightarrow [(3)^3, (5)^2, 8] \rightarrow 3 + 5 = 8$$

Similarly, in the set of numbers given in option (c)

$$(216, 64, 14) \rightarrow [(6)^3, (8)^2, 14] \rightarrow 6 + 8 = 14$$

Hence, option (c) is the corresponding set of numbers given in the question.

158. Select the option that is related to the third number in the same way as the second number is related to the first number.

$$2 : 32 :: 4 : ?$$

- (a) 728 (b) 128
(c) 1536 (d) 1024

RRB NTPC 21.01.2021 (Shift-I) Stage Ist

Ans. (d) :

Just as,

$$2 : 32$$

$$(2)^5 = 32$$

Same as,

$$4 : ?$$

$$(4)^5 = 1024$$

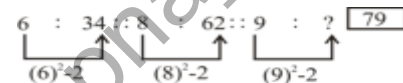
159. Select the option that is related to the fifth number in the same way as the fourth number is related to the third number and in the same as the second number is related to the first number.

$$6 : 34 :: 8 : 62 :: 9 : ?$$

- (a) 79 (b) 64
(c) 81 (d) 18

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (a) : From question,



160. Select the option that is related to the third number in the same way as the second number is related to the first number.

$$4704 : 336 :: 2590 : ?$$

- (a) 188 (b) 185
(c) 158 (d) 180

RRB NTPC 27.02.2021 (Shift-I) Stage Ist

Ans. (b) : Just as, $\frac{4704}{336} = 14$

$$\text{Similarly, } \frac{2590}{?} = 14$$

$$\frac{2590}{14} = ?$$

Hence, ? = 185

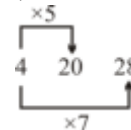
161. Select the option in which the numbers are related in the same way as the numbers are in the given set.

$$4, 20, 28$$

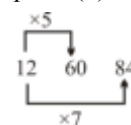
- (a) 6, 24, 48 (b) 8, 32, 64
(c) 2, 18, 24 (d) 12, 60, 84

RRB NTPC 18.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,



Similarly, from option (d)





162. Select the option that is related to the third number in the same way as the second number is related to the first number.

$$15 : 8 :: 25 : ?$$

- (a) 10 (b) 16
(c) 12 (d) 14

RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

$$15 : 8$$

$$15 \Rightarrow 15 \div 5 + 5 = 8$$

Similarly, $25 : ?$

$$25 \Rightarrow 25 \div 5 + 5 = 10$$

Therefore option (a) is correct.

163. Find the missing number to complete the given analogy.

$$2 : 7 :: 11 : ? :: 23 : 37$$

- (a) 19 (b) 15
(c) 21 (d) 17

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$$2 : 7 = 2, \boxed{3, 5}, 7$$

And, $23 : 37 = 23, \boxed{29, 31}, 37$

Similarly,

$$11 : 19 = 11, \boxed{13, 17}, 19$$

Hence, $\boxed{? = 19}$

Note-Here is two prime numbers is skipped between both prime numbers.

164. Select the number from among the given options that can replace the question mark (?) in the following analogy.

$$56 : 15 :: 76 : 21 :: 81 : ?$$

- (a) 36 (b) 21
(c) 10 (d) 4

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (d) : Such as,

$$56 : 15 \Rightarrow \frac{5 \times 6}{2} = 15$$

$$\text{And } 76 : 21 \Rightarrow \frac{7 \times 6}{2} = 21$$

$$\text{Same as, } 81 : ? \Rightarrow \frac{8 \times 1}{2} = \boxed{4}$$

165. Select the option that is related to the fifth number in the same way as the fourth number is related to the third number and the second number is related to the first number.

$$7 : 42 :: 9 : 72 :: 11 : ?$$

- (a) 108 (b) 102
(c) 110 (d) 121

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (c) : Just as,

$$7 : 42 \Rightarrow 7 \times (7-1) \Rightarrow 42$$

$$\text{And } 9 : 72 \Rightarrow 9 \times (9-1) \Rightarrow 72$$

Same as,

$$11 : ? \Rightarrow 11 \times (11-1) = 110$$

Hence, in place of the question mark the number will be 110.

166. Select the number that can replace the question mark (?) in the following series.

$$18 : 324 : 5832 :: 36 : 1296 : ?$$

- (a) 23328 (b) 2592
(c) 46656 (d) 5833

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (c) : Just as,

$$18 \rightarrow 9 \times 2 \rightarrow (9)^2 \times (2)^2 = 324$$

$$\rightarrow (9)^3 \times (2)^3 = 5832$$

Same as,

$$36 \rightarrow 18 \times 2 \rightarrow (18)^2 \times (2)^2 = 1296$$

$$\rightarrow (18)^3 \times (2)^3 = 46656$$

167. Select the number from among the given options that is related to the fifth number in the same way as the second and fourth numbers are related to the first and third numbers respectively.

$$15 : 90 :: 203 : 1015 :: 16 : x$$

- (a) 96 (b) 112
(c) 120 (d) 128

RRB NTPC 14.03.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

$$15 = 1 + 5 = 6 \times 15 = 90$$

$$\text{And, } 203 = 2 + 0 + 3 = 5 \times 203 = 1015$$

Similarly,

$$16 = 1 + 6 = 7 \times 16 = 112$$

Hence, 112 will on the place of x.

168. Select the option in which the numbers share the same relationship as that shared by the given group of numbers.

$$(15, 7, 110)$$

- (a) (18, 5, 95) (b) (44, 2, 95)
(c) (21, 4, 90) (d) (17, 2, 44)

RRB NTPC 14.03.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$$15 \times 7 = 105 + 5 = 110$$

Similarly, From option (a)-

$$18 \times 5 = 90 + 5 = 95$$

Hence, (18, 5, 95) will be required answer.



169. Select the option that is related to the third number in the same way as the second number is related to the first number.

36 : 216 :: 81 : ?

- (a) 486 (b) 729
(c) 512 (d) 900

RRB NTPC 21.03.2021 (Shift-II) Stage Ist

Ans. (b) : Just as, Same as,

$$\begin{array}{ccc} 36 & : & 216 \\ \downarrow & & \downarrow \\ 6^2 & & 6^3 \end{array} \quad \begin{array}{ccc} 81 & : & 729 \\ \downarrow & & \downarrow \\ 9^2 & & 9^3 \end{array}$$

170. Select the option that is related to the third number in the same way as the second number is related to the first number.

18 : 45 :: 34 : ?

- (a) 85 (b) 75
(c) 95 (d) 65

RRB NTPC 31.07.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,
 $9 \times 2 = 18$
 $9 \times 5 = 45$
 Similarly,
 $17 \times 2 = 34$
 $17 \times 5 = 85$
 Hence, ? = 85.

171. Find the missing value denoted by '?'

3 : 243 :: 5 : ?

- (a) 625 (b) 465
(c) 3125 (d) 425

RRB NTPC 12.04.2016 Shift : III

Ans. (c) : Just as,
 $(3)^5 = 243$
 Same as,
 $(5)^5 = 3125$

172. Select the pair in which the numbers are similarly related as in the given pair:

9 : 27 :: :

- (a) 5 : 125 (b) 8 : 64
(c) 15 : 135 (d) 81 : 729

RRB NTPC 12.04.2016 Shift : III

Ans. (d) : Just as,

9 : 27
 $\downarrow \quad \downarrow$

$(3)^2 (3)^3$

Same as,

(On taking option d)

81 : 729
 $\downarrow \quad \downarrow$

$(9)^2 (9)^3$

So, $? = 81 : 729$

Analogy

173. Choose the pair whose numbers are similarly related like the given pair :

19 : 361 :: :

- (a) 13 : 169 (b) 15 : 235
(c) 9 : 27 (d) 12 : 154

RRB NTPC 12.04.2016 Shift : II

Ans. (a) : Just as,
 $(19)^2 = 361$
 Same as,
 $(13)^2 = 169$

174. Based on the analogy given, find the missing pair from the given options.

5 : 35 :: :

- (a) 11 : 55 (b) 7 : 77
(c) 3 : 24 (d) 9 : 45

RRB NTPC 16.04.2016 Shift : III

Ans. (b) : Just as,
 5×7 (Prime number after 5) = 35
 Same as,
 7×11 (Prime number after 7) = 77

175. Based on the given analogy, find the missing pair from the given options.

11 : 1210 :: :

- (a) 9 : 729 (b) 8 : 448
(c) 6 : 216 (d) 7 : 1029

RRB NTPC 16.04.2016 Shift : II

Ans. (b) : Just as,
 $11 : 1210 \Rightarrow 11 : 11 \times 11 (11 - 1)$
 Same as, in option (b)-
 $8 : 448 \Rightarrow 8 : 8 \times 8 (8 - 1)$

176. Based on the analogy given, find the missing pair from the given option.

8 : 96 : 7 : ?

- (a) 56 (b) 63
(c) 72 (d) 84

RRB NTPC 18.04.2016 Shift : III

Ans. (d) : Just as,

8 : 96
 $\downarrow \quad \uparrow$
 $\times 12$
 Similarly,
 7 : 84
 $\downarrow \quad \uparrow$
 $\times 12$

177. Based on the analogy given, find the missing number from the given option.

1 : 1 :: 25 :

- (a) 225 (b) 125
(c) 625 (d) 26

RRB NTPC 18.04.2016 Shift : II



Ans. (c) : Just as,

$$1 : 1 = 1 : 1^2$$

Similarly,

$$25 : 25^2 = 25 : 625$$

178. Based on the analogy given, find the missing pair from the given option.

32 : 13 :: :

- (a) 51 : 36 (b) 83 : 121
(c) 71 : 81 (d) 47 : 65

RRB NTPC 18.04.2016 Shift : I

Ans. (d) : Just as,

$$32 : 13$$

$$3^2 + 2^2 = 13$$

Similarly, from option (d)-

$$47 : 65$$

$$4^2 + 7^2 = 16 + 49 = 65$$

Type -5 : Miscellaneous

179. Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.

NT14 : QW7 :: CR24 : FU12 :: PV36 : ?

- (a) TY8 (b) TZ17
(c) ST13 (d) SY18

RRB NTPC (Stage-II) -15/06/2022 (Shift-II)

Ans. (d) : Just as, and,

$$N \xrightarrow{+3} Q$$

$$C \xrightarrow{+3} F$$

$$T \xrightarrow{+3} W$$

$$R \xrightarrow{+3} U$$

$$14 \xrightarrow{+2} 7$$

$$24 \xrightarrow{+2} 12$$

Same as,

$$P \xrightarrow{+3} S$$

$$V \xrightarrow{+3} Y$$

$$36 \xrightarrow{+2} 18$$

Hence, option (d) is correct.

180. Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.

HR12 : MY36 :: EJ14 : JQ42 :: PB17 : ?

- (a) UI51 (b) VE36
(c) VF34 (d) UF32

RRB NTPC (Stage-II) -16/06/2022 (Shift-III)

Ans. (a) : Just as,

$$H \xrightarrow{+5} M$$

$$R \xrightarrow{+7} Y$$

$$12 \xrightarrow{\times 3} 36$$

Analogy

And,

$$E \xrightarrow{+5} J$$

$$J \xrightarrow{+7} Q$$

$$14 \xrightarrow{\times 3} 42$$

Same as,

$$P \xrightarrow{+5} U$$

$$B \xrightarrow{+7} I$$

$$17 \xrightarrow{\times 3} 51$$

181. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term related to the third term.

SUGAR : 11 :: PILOT : 12 :: HOTEL : ?

- (a) 15 (b) 12
(c) 10 (d) 19

RRB NTPC (Stage-II) -14/06/2022 (Shift-I)

Ans. (c) : Just as,

(Alphabetical order of letters)

Note:-

$$\begin{array}{ccccc} S & U & G & A & R : 11 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 19 & 21 & 7 & 1 & 18 \end{array} = \frac{19+21+7+1+18}{6} = 11$$

and,

$$\begin{array}{ccccc} P & I & L & O & T : 12 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 16 & 9 & 12 & 15 & 20 \end{array} = \frac{16+9+12+15+20}{6} = 12$$

Same as,

$$\begin{array}{ccccc} H & O & T & E & L : 10 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ (8+15+20+5+12) & & & & \uparrow \\ & & & & 6 \end{array}$$

Hence, ? = 10

182. Which of the following is same as foot, inch and yard?

- (a) Gram (b) Mile
(c) Quart (d) Pound

RRB NTPC 10.01.2021 (Shift-II) Stage Ist

Ans. (b) : Mile is same as foot, inch and yard because these are units of length.

183. Select the option that is related to the third expression in the same way as the second expression is related to the first expression.

L × V : 12 × 22 :: Q × Z : ?

- (a) 18 × 10 (b) 12 × 14
(c) 17 × 26 (d) 11 × 15

RRB NTPC 12.01.2021 (Shift-I) Stage Ist



Ans. (c) : Just as,

$L \times V : 12 \times 22$
Alphabetical order

Same as,

$Q \times Z : 17 \times 26$
Alphabetical order

So, $? = 17 \times 26$

184. Select the option that is related to the third term in the same way as the second term is related to the first term.

WAITER : 242923 :: JUMPER : ?

- (a) 312923 (b) 302923
(c) 252923 (d) 312623

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

W A I T E R
↓ ↓ ↓ ↓ ↓ ↓
23+1 9+20 5+18
= 242923

Same as,

J U M P E R
↓ ↓ ↓ ↓ ↓ ↓
10+21 13+16 5+18

Therefore, $? = 312923$

185. Find the missing term from options.

CAB : 312 :: ? : 1324

- (a) BAD (b) SAD
(c) MBD (d) ADD

RPF SI 19.12.2018 Shift : III

Ans. (c) Just as,

C A B
↓ ↓ ↓
3 1 2

Same as,

M B D
↓ ↓ ↓
13 2 4

Hence, $? = MBD$

So, option (c) is correct.

186. Complete the code?

B : 8 :: C : ?

- (a) 27 (b) 100
(c) 24 (d) 11

RRB NTPC 17.01.2017 Shift-II

Ans. (a) :

Just as, B — Alphabetical Order $\rightarrow 2^3 = 8$

Same as, C — Alphabetical Order $\rightarrow 3^3 = 27$

187. Select the missing word based on the given related pair-



: Kennel ::



: ?

- (a) Nest (b) Bird House
(c) Den (d) Hut

RPF SI 16.01.2019 Shift : III

Ans : (c) Where dog lives is called 'Kennel', in the same way where lion lives is called 'Den'.

188. Following a certain logic, 5 is related to 28 in the same way as 7 is related to 52 and 9 is related to 84. Using the same logic, to which of the following is 11 related?

- (a) 126 (b) 121
(c) 128 (d) 124

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

$$5^2 + 3 = 28$$

$$7^2 + 3 = 52$$

And $9^2 + 3 = 84$

Same as,

$$11^2 + 3 = 124$$

189. Select the word from the options that is similar to the given set of words in a certain way.

Bokaro, Bhilai, Rourkela?

- (a) Baroda (b) Kanpur
(c) Lucknow (d) Durgapur

RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (d) : Just as, Bokaro, Bhilai, Rourkela are steel plants. Similarly, Durgapur is a steel plant.

190. Select the option that is related to the third pattern in the same way as the second pattern is related to the first pattern.

5	10
20	15

 :

10	5
15	20

 ::

W	X
Z	Y

 : ?

(a)

W	Z
Y	X

(b)

X	W
Y	Z

(c)

W	X
Z	Y

(d)

X	W
Z	Y

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (b) : From question,

Just as,

5	10
20	15

 :

10	5
15	20

 Same as,

W	X
Z	Y

 :

X	W
Y	Z



02.

Coding-Decoding

Type -1 : Problems Based on Coding of Letters of the English Alphabet into Numbers/Symbols

1. In a certain code language, if 'CELL' is coded as '32' and 'PHONE' is coded as '58', how will 'BOLD' be coded in that language?

(a) 43 (b) 54
(c) 32 (d) 33

RRB NTPC (Stage-II) -17/06/2022 (Shift-I)

Ans. (d) : Just as,

C E L L
↓ ↓ ↓ ↓

3 5 12 12 $\Rightarrow 3 + 5 + 12 + 12 = 32$

And,

P H O N E
↓ ↓ ↓ ↓ ↓

16 8 15 14 5 $\Rightarrow 16 + 8 + 15 + 14 + 5 = 58$

Same as,

B O L D
↓ ↓ ↓ ↓

2 15 12 4 $\Rightarrow 2 + 15 + 12 + 4 = 33$

2. In a certain code language, TOTAL is written as 68 and PEN is written as 35. In the same language, what will OIL be written as?

(a) 36 (b) 46
(c) 56 (d) 66

RRB NTPC (Stage-II) -17/06/2022 (Shift-II)

Ans. (a) : Just as,

T O T A L = 68
↓ ↓ ↓ ↓ ↓
20+15+20+1+12 = 68

And,

P E N = 35
↓ ↓ ↓
16+05+14 = 35

Same as,

O I L = 36
↓ ↓ ↓
15+09+12 = 36

Hence, OIL = 36

3. In a certain code language, CABLE is coded as 65@7# and PARKLET is coded as 85917#2. How will ELRAP be coded in that language?

(a) #9587 (b) 9#785
(c) #7958 (d) 7#958

RRB NTPC (Stage-II) -17/06/2022 (Shift-III)

Ans. (c) : Just as,

C A B L E
↓ ↓ ↓ ↓ ↓
6 5 @ 7 #

And,

P A R K L E T
↓ ↓ ↓ ↓ ↓ ↓ ↓
8 5 9 1 7 # 2

Hence, ELRAP is coded as #7958.

4. In a certain code language, BUTTER is written as 2212020518. MINED is written as 1391454. How will OIL be written in that language?

(a) 17456 (b) 12345
(c) 15912 (d) 18632

RRB NTPC (Stage-II) -17/06/2022 (Shift-III)

Ans. (c) : Just as,

2 21 20 20 5 18
↑ ↑ ↑ ↑ ↑ ↑

B U T T E R

And,

13 9 14 5 4
↑ ↑ ↑ ↑ ↑

M I N E D

Same as,

15 9 12

↑ ↑ ↑

O I L

5. In a certain code language, 'CHERRY' is coded as '6-16-10-36-36-50', and 'GRAPES' is coded as '14-36-2-32-10-38'. How will 'LITCHI' be coded in that language?

(a) 26-18-38-6-16-18 (b) 26-18-40-6-16-18
(c) 24-18-40-6-16-18 (d) 24-16-40-6-18-16

RRB NTPC (Stage-II) -15/06/2022 (Shift-II)

Ans. (c) : Just as,

3 8 5 18 18 25
C H E R R Y
↓ ×2 ↓ ×2 ↓ ×2 ↓ ×2 ↓ ×2
6 16 10 36 36 50

And,

7 18 1 16 5 19
G R A P E S
↓ ×2 ↓ ×2 ↓ ×2 ↓ ×2 ↓ ×2
14 36 2 32 10 38

Same as,

12 9 20 3 8 9
L I T C H I
↓ ×2 ↓ ×2 ↓ ×2 ↓ ×2 ↓ ×2
24 18 40 6 16 18

Hence, option (c) is correct.

6. 'TABLE' is related to '726251522' and 'FORMS' is related to '21129148', in the same way as 'CHAIR' is related to '_____'.
(a) 241926189 (b) 241926198
(c) 241296189 (d) 214926189

RRB NTPC (Stage-II) -16/06/2022 (Shift-I)



Ans. (a) : Just as,

(Opposite alphabetical order)

T	A	B	L	E
↓	↓	↓	↓	↓
G	Z	Y	O	V
7	26	25	15	22

And,

(Opposite alphabetical order)

F	O	R	M	S
↓	↓	↓	↓	↓
U	L	I	N	H
21	12	9	14	8

Same as,

(Opposite alphabetical order)

C	H	A	I	R
↓	↓	↓	↓	↓
X	S	Z	R	I
24	19	26	18	9

7. In a certain code language, 'FRAK' is coded as '35' and 'MALT' is coded as '45'. How will 'TRIM' be coded in that language?

- (a) 58 (b) 61
(c) 59 (d) 60

RRB NTPC (Stage-II) –13/06/2022 (Shift-I)

Ans. (c) : Just as,

F R A K = 35
 $6 + 18 + 1 + 11 = 36 - 1 = 35$

And

M A L T = 45
 $13 + 1 + 12 + 20 = 46 - 1 = 45$

Same as,

T R I M = ?
 $20 + 18 + 9 + 13 = 60 - 1 = 59$

Note:- 1 has been subtracted by adding the place value of the given letters.

8. In a certain code language, PAINT is coded as 83527 and SCORE is coded as 49061. How would you code RECENT in the same language?

- (a) 921235 (b) 190985
(c) 648497 (d) 619127

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,

P → 8	S → 4
A → 3	C → 9
I → 5	O → 0
N → 2	R → 6
T → 7	E → 1

On using the given code

R → 6
E → 1
C → 9
E → 1
N → 2
T → 7

Hence, RECENT = 619127

9. In a code language, if KARAN is written as 45, then how will ARUN be written as in that language?

- (a) 54 (b) 56
(c) 41 (d) 42

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

Same as,

K	A	R	A	N
11	1	18	1	14
= 45				

A	R	U	N
1	18	21	14
= 54			

10. If A is equal to 1, M is equal to 13 and R is equal 18, how would you spell MISSION?

- (a) 129191991314 (b) 149191991314
(c) 139191991514 (d) 139191991314

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (c) : Given, A = 1, M = 13 and R = 18 then,

M	I	S	S	I	O	N
↓	↓	↓	↓	↓	↓	↓
13	9	19	19	9	15	14

11. In a code language, if LAST is written as 1234 and BOOK is written as 5667, how will TOAST be written as in that language?

- (a) 45234 (b) 46234
(c) 46324 (d) 47234

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (b) : From question,

L	A	S	T
↓	↓	↓	↓
1	2	3	4

And

B	O	O	K
↓	↓	↓	↓
5	6	6	7

According to above code,

T	O	A	S	T
↓	↓	↓	↓	↓
4	6	2	3	4

12. In a code language, if FORWARD is written as 1234536 and WATER is written as 45783, how will RETARD be written as in that language?

- (a) 387546 (b) 386536
(c) 387536 (d) 386546

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,

F	O	R	W	A	R	D
↓	↓	↓	↓	↓	↓	↓
1	2	3	4	5	3	6

And

W	A	T	E	R
↓	↓	↓	↓	↓
4	5	7	8	3

According to above code,

R	E	T	A	R	D
↓	↓	↓	↓	↓	↓
3	8	7	5	3	6

Hence, RETARD = 387536

13. If LOVE is coded as 54, then what will be the code for TEAR?

- (a) 43 (b) 45
(c) 46 (d) 44

RRB NTPC 10.01.2021 (Shift-I) Stage Ist



Ans. (d) : Just as,
 $\text{LOVE} = 12 + 15 + 22 + 5 = 54$
 (Sum of alphabetical order)
 Similarly,
 $\text{TEAR} = 20 + 5 + 1 + 18 = 44$

14. If A = 26 and H = 19, then FASHION = ?
 (a) 2126819181217 (b) 2126819181215
 (c) 2126819181213 (d) 2126819181214

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, A $\xrightarrow{\text{Opposite}}$ Z = 26
 And H $\xrightarrow{\text{Opposite}}$ S = 19
 Same as,

F $\xrightarrow{\text{Opposite}}$ U = 21
 A $\xrightarrow{\text{Opposite}}$ Z = 26
 S $\xrightarrow{\text{Opposite}}$ H = 8
 H $\xrightarrow{\text{Opposite}}$ S = 19
 I $\xrightarrow{\text{Opposite}}$ R = 18
 O $\xrightarrow{\text{Opposite}}$ L = 12
 N $\xrightarrow{\text{Opposite}}$ M = 13

Hence, FASHION will be written as 2126819181213.

15. In a certain code language, PENINSULA is written as 111. How will DICHOTOMY be written as in that language?

- (a) 222 (b) 121
 (c) 212 (d) 112

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (d) : Just as,
 P E N I N S U L A
 $16 + 5 + 14 + 9 + 14 + 19 + 21 + 12 + 1 = 111$
 Similarly,
 D I C H O T O M Y
 $4 + 9 + 3 + 8 + 15 + 20 + 15 + 13 + 25 = 112$

16. If Charger = 60, then Topper = ?
 (a) 40 (b) 90
 (c) 26 (d) 52

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,
 Charger $\rightarrow 3 + 8 + 1 + 18 + 7 + 5 + 18 = 60$
 Similarly,
 Topper $\rightarrow 20 + 15 + 16 + 16 + 5 + 18 = 90$

17. If J = 17 and N = 13, then JUNIOR = ?
 (a) 1751318129 (b) 1771318129
 (c) 1741318129 (d) 1761318129

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,
 $J \xrightarrow{10} Q$ (opposite letter)
 and,
 $N \xrightarrow{14} M$ (opposite letter)
 Similarly,

J $\xrightarrow{10} Q$ (17)
 U $\xrightarrow{10} F$ (6)
 N $\xrightarrow{10} M$ (13)
 I $\xrightarrow{10} R$ (18)
 O $\xrightarrow{10} L$ (12)
 R $\xrightarrow{10} I$ (9)

Hence, JUNIOR = 1761318129

18. If ACE = 35, AGED = 91 then CARE = ?

- (a) 359 (b) 323
 (c) 288 (d) 358

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

A C E
 $(1)^2 + (3)^2 + (5)^2 = 35$

And,
 A G E D
 $(1)^2 + (7)^2 + (5)^2 + (4)^2 = 91$

Same as,

C A R E
 $(3)^2 + (1)^2 + (18)^2 + (5)^2 = 359$

Hence, CARE = 359

19. In a certain code language, RAIN is written as 4678 and WET is written as 135, How will ENTER be written as in that languages?

- (a) 35384 (b) 38534
 (c) 38543 (d) 35834

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (b) : From question,

R \rightarrow 4 And W \rightarrow 1
 A \rightarrow 6 E \rightarrow 3
 I \rightarrow 7 T \rightarrow 5
 N \rightarrow 8

Using the code of above letters,

E \rightarrow 3
 N \rightarrow 8
 T \rightarrow 5
 E \rightarrow 3
 R \rightarrow 4

\Rightarrow ENTER = 38534

20. In a certain code language, SCHOOL is coded as the number 72. What number will FLOWER be coded as in that language?

- (a) 54 (b) 79
 (c) 71 (d) 89

RRB NTPC 15.03.2021 (Shift-I) Stage Ist



Ans. (b) : Just as,

$$\text{SCHOOL} \Rightarrow 19+3+8+15+15+12 = 72$$

Same as,

$$\text{FLOWER} \Rightarrow 6+12+15+23+5+18 = 79$$

21. In a certain code language, 'QZDH' is written as '51', 'PLMQ' is written as '54'. What is the code for 'DNRB' in that code language?

- (a) 37 (b) 33
(c) 34 (d) 36

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (c) : Just as,

$$\text{QZDH} \Rightarrow (17 + 26 + 4 + 8) - 4 = 51$$

And, $\text{PLMQ} \Rightarrow (16+12+13+17)-4 = 54$

Similarly,

$$\text{DNRB} \Rightarrow (4+14+18+2)-4 = 34$$

22. In a certain code language 'RQN' is coded as 53 'DLP' is coded as 36 how will 'SRF' be written in that code language?

- (a) 47 (b) 51
(c) 53 (d) 49

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

$$\text{RQN} = 18+17+14=49$$

$$49+4=53$$

$$\text{DLP} = 04+12+16=32$$

$$32+4=36$$

Similarly,

$$\text{SRF} = 19+18+6=43$$

$$43+4=47$$

23. If in a certain code language A is written as 1 and AIR is written as 28 then how will AIRCRAFT be written in that language?

- (a) 76 (b) 78
(c) 82 (d) 80

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

And

A	A	I	R
↓	↓	↓	↓
1	1	9	18

1 - 9 - 18 = 28

Same as,

(Alphabetical order)

A	I	R	C	R	A	F	T
↓	↓	↓	↓	↓	↓	↓	↓
1	9	18	3	18	1	6	20

1 + 9 + 18 + 3 + 18 + 1 + 6 + 20 = 76

24. In a certain coded language "ARCHITECT" has been written as 32051011227522. Then in same language "MANAGER" would be written as.

- (a) 1531537918 (b) 1311473718
(c) 1531639720 (d) 1311963720

RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (c) : Just as,

Same as,

$$\text{A} \xrightarrow{1+2} 3$$

$$\text{R} \xrightarrow{18+2} 20$$

$$\text{C} \xrightarrow{3+2} 5$$

$$\text{H} \xrightarrow{8+2} 10$$

$$\text{I} \xrightarrow{9+2} 11$$

$$\text{T} \xrightarrow{20+2} 22$$

$$\text{E} \xrightarrow{5+2} 7$$

$$\text{C} \xrightarrow{3+2} 5$$

$$\text{T} \xrightarrow{20+2} 22$$

$$\text{M} \xrightarrow{13+2} 15$$

$$\text{A} \xrightarrow{1+2} 3$$

$$\text{N} \xrightarrow{14+2} 16$$

$$\text{A} \xrightarrow{1+2} 3$$

$$\text{G} \xrightarrow{7+2} 9$$

$$\text{E} \xrightarrow{5+2} 7$$

$$\text{R} \xrightarrow{18+2} 20$$

25. If AMBER = 27 and BROWN = 14, then GREEN will equal to:

- (a) 28 (b) 36
(c) 39 (d) 24

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (b) : Just as,

$$\text{A} \quad \text{M} \quad \text{B} \quad \text{E} \quad \text{R}$$

$$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$$

$$1 + 13 + 2 + 5 + 18 = 39 \Rightarrow 3 \times 9 = 27$$

And,

$$\text{B} \quad \text{R} \quad \text{O} \quad \text{W} \quad \text{N}$$

$$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$$

$$2 + 18 + 15 + 23 + 14 = 72 \Rightarrow 7 \times 2 = 14$$

Similarly,

$$\text{G} \quad \text{R} \quad \text{E} \quad \text{E} \quad \text{N}$$

$$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$$

$$7 + 18 + 5 + 5 + 14 = 49 \Rightarrow 4 \times 9 = 36$$

26. In a certain code language, ACCESS is written as 13351919. How will EXCELLENCE be coded as in that language?

- (a) 524351414355 (b) 53351414123435
(c) 52435121251435 (d) 52345121414335

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (c) : Just as,

Same as,

	E	→	5
	X	→	24
A	→	C	→ 3
C	→	E	→ 5
C	→	L	→ 12
E	→	L	→ 12
S	→	E	→ 5
S	→	N	→ 14
	C	→	3
	E	→	5

Hence, option (c) will be correct.



27. If A is equal to 1, S is equal to 19 and G is equal to 7, how would you spell 'MESSAGE'?

(a) 1311919175 (b) 1311919277
(c) 1311945355 (d) 1311945375

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (a) :

If	A	S	G
English alphabet number	1	19	7
Then	M	A	S
English alphabet number	13	1	19
	S	A	G
	19	1	7
	E		
			5

28. In a certain code language, HONEY is coded as 8-12-13-5-2. How will PATCH be coded in that code language?

(a) 16-1-20-3-18 (b) 11-1-20-3-8
(c) 11-1-7-3-8 (d) 16-1-7-3-8

RRB NTPC 18.01.2021 (Shift-II) Stage Ist

Ans. (c) :

H = 8 = H
O = 12 = L
N = 13 = M
E = 5 = E
Y = 2 = B

Logic = The alphabets from A to M are used in sequence, while the alphabets from N to Z are used in their opposite order.

∴ P = 11 = K
A = 1
T = 7 = G
C = 3
H = 8

Hence, PATCH = 11 - 1 - 7 - 3 - 8.

29. In a certain code language, 'JUNIOR' is written as '6', 'LABOURER' is written as '8'. What is the code for 'JOSEPHINE' in that code language?

(a) 9 (b) 11
(c) 10 (d) 12

RRB NTPC 21.01.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

123456
JUNIOR $\xrightarrow{\text{Total Number of letters}}$ 6

And,

1 2 3 4 5 6 7 8
LABOURER $\xrightarrow{\text{Total Number of letters}}$ 8

Similarly,

123456789
JOSEPHINE $\xrightarrow{\text{Total Number of letters}}$ 9

Hence, JOSEPHINE is coded by 9.

30. In a certain code language, 'RAHUL' is written as '60'. How will 'ARUN' be written as in that language ?

(a) 45 (b) 56
(c) 52 (d) 54

RRB NTPC 11.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

R A H U L
↓ ↓ ↓ ↓ ↓
18 + 1 + 8 + 21 + 12 = 60

Same as,

A R U N
↓ ↓ ↓ ↓ ↓
1 + 18 + 21 + 14 = 54

31. If BED is coded as 42516, then DIG will be coded as :

(a) 1625363 (b) 253681
(c) 168149 (d) 161894

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (c) :

Just as,

B E D
↓ ↓ ↓
 $2^2 \ 5^2 \ 4^2 = 42516$

Same as,

D I G
↓ ↓ ↓
 $4^2 \ 9^2 \ 7^2 = 168149$

32. In a certain code language, GOLDEN CIRCLE is written as 715124514 39183125. How will ENGLAND be written as in that language?

(a) 5147112114 (b) 5174121144
(c) 5147121144 (d) 5174111114

RRB NTPC 27.01.2021 (Shift-II) Stage Ist

Ans. (c) : Given,

G O L D E N C I R C L E
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
7 15 12 4 5 14 3 9 18 3 12 5

From the above given code,

E N G L A N D
↓ ↓ ↓ ↓ ↓ ↓ ↓
5 14 7 12 1 14 4

Hence, ENGLAND = 5147121144

33. In a certain code language 'NATION' is written as '72' and 'NATURE' is written as 78. How will 'PACKED' be written as in that code language ?

(a) 41 (b) 45
(c) 39 (d) 43

RRB NTPC 12.03.2021 (Shift-I) Stage Ist

Ans. (c) : Just as,

N A T I O N
↓ ↓ ↓ ↓ ↓ ↓
14 1 120 19 115 14 = 73-1-72

And,

N A T U R E
↓ ↓ ↓ ↓ ↓ ↓
14 1 1 20 121 118 15 = 79-1-78

Same as,

P A C K E D
↓ ↓ ↓ ↓ ↓ ↓
16 1 13 111 5 4 = 40-1 = 39



34. In a certain code language, if TAKE is coded as 7915 and CAT is coded as 297 then CAKE will be coded as?

(a) 5179 (b) 7951
(c) 2915 (d) 5791

RRB NTPC 30.04.2016 Shift : 3

Ans. (c) : Given as, and
T - 7 C - 2
A - 9 A - 9
K - 1 T - 7
E - 5

Using the given code,

C - 2

A - 9

K - 1

E - 5

Hence, CAKE = 2915.

35. In a certain code language, if SIMPLE is coded as 631549 and PLOUGH is coded as 547028 then SLEEP will be coded as?

(a) 46995 (b) 64995
(c) 64959 (d) 46959

RRB NTPC 30.04.2016 Shift : 2

Ans. (b) : Given as, and
SIMPLE PLOUGH
↓↓↓↓↓↓ ↓↓↓↓↓↓
6 3 1 5 4 9 5 4 7 0 2 8

Using the given code,

SLEEP

↓↓↓↓↓↓

6 4 9 9 5

So, SLEEP will be written as 64995.

36. In a certain code language, if INCLUDE is coded as 4790825 and REVERT is coded as 351536 then how will be DRIVER coded as?

(a) 215343 (b) 251343
(c) 234315 (d) 234153

RRB NTPC 30.04.2016 Shift : 1

Ans. (d) : Given as,

INCLUDE REVERT
||| ||| And ||| |||
4 7 9 0 8 2 5 3 5 1 5 3 6

Using the given code,

DRIVER
||| |||
2 3 4 1 5 3

Hence, DRIVER = 234153.

37. In a certain code language, if MOBILE is coded as 713694 and TABLET is coded as 253942, then BALLET will be coded as?

(a) 329954 (b) 359942
(c) 395942 (d) 359429

RRB NTPC 29.04.2016 Shift : 2

Ans. (b) : Given as,

MOBILE
↓ ↓ ↓ ↓ ↓ ↓
7 1 3 6 9 4

And,

TABLET
↓ ↓ ↓ ↓ ↓ ↓
2 5 3 9 4 2

Using the given code,

BALLET = 359942

38. In a certain code language, if HISTORY is coded as 7326845 and CIVICS is coded as 135312, then VISITOR will be coded as ?

(a) 5323684 (b) 6843532
(c) 8463352 (d) 5323648

RRB NTPC 29.04.2016 Shift : 2

Ans. (a) : Given as,

HISTORY CIVICS
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
7 3 2 6 8 4 5 1 3 5 3 1 2

Using the given code,

VISITOR = 5323684

39. In a certain code language, if WIND is coded as 5273 and RIVER is coded as 62981 then WINNER will be coded as.

(a) 527781 (b) 527782
(c) 527881 (d) 527884

RRB NTPC 29.04.2016 Shift : 1

Ans. (a) : Given as,

WIND RIVER WINNER
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
5 2 7 3 6 2 9 8 1 5 2 7 7 8 1

Hence, WINNER = 527781

40. In a certain code language, if HOUSE is coded as 10-13-23-17-7 then REHEARSE will be coded as ?

(a) 20-7-10-7-3-20-21-7
(b) 16-3-6-3-25-16-17-3
(c) 20-3-10-3-3-16-21-3
(d) 18-5-8-5-1-18-19-5

RPF Constable 25.01.2019 Shift : II

Ans. (c) : Given as,

H O U S E
↓ +2 ↓ -2 ↓ +2 ↓ -2 ↓ +2
10 13 23 17 7

And,

R E H E A R S E
↓ +2 ↓ -2 ↓ +2 ↓ -2 ↓ +2 ↓ -2 ↓ -2
20 3 10 3 3 16 21 3

Hence, REHEARSE will be coded as 20-3-10-3-3-16-21-3.

41. In a certain code language, if PAINT is coded as 21563 and SHOT is coded as 8503 then TOAST will be coded as.

(a) 31852 (b) 30183
(c) 30138 (d) 31038

RRB NTPC 28.04.2016 Shift : 1



Ans. (b) : Given as,

PAINT SHOT
 $\downarrow\downarrow\downarrow\downarrow$ And $\downarrow\downarrow\downarrow$
 2 1 5 6 3 8 5 0 3

Using the given code,

TOAST
 $\downarrow\downarrow\downarrow\downarrow$
 3 0 1 8 3

Hence, the code of TOAST be 30183.

42. If EAR = 235. TEAK = 7238 then KARATE = ?

- (a) 827535 (b) 837352
 (c) 835872 (d) 835372

RRB NTPC 26.04.2016 Shift : 1

Ans. (d) : Given as,

E A R
 $\downarrow \downarrow \downarrow$
 2 3 5

And,

T E A K
 $\downarrow \downarrow \downarrow \downarrow$
 7 2 3 8

Using the given code,

K A R A T E
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
 8 3 5 3 7 2

43. If TRACTOR = 14 and TROLLEY = 14, then SCOOTER = ?

- (a) 24 (b) 14
 (c) 28 (d) 30

RRB NTPC 22.04.2016 Shift : 2

Ans. (b) : Just as,

(Number of letter in TRACTOR = 7)
 TRACTOR = $7 \times 2 = 14$

And

(Number of letters in TROLLEY = 7)
 TROLLEY = $7 \times 2 = 14$

Similarly,

(Number of letters in SCOOTER = 7)

Hence, SCOOTER = $7 \times 2 = 14$

44. If in a certain code language, 'STARE' is written as 19201185 how will the word MOULD be written in that code language?

- (a) 132115124 (b) 131215214
 (c) 131521124 (d) 131512214

RRB NTPC 09.04.2016 Shift : 3

Ans. (c) : Just as,

S - 19
 T - 20
 A - 1
 R - 18
 E - 5

Similarly,

MOULD = 131521124

45. If in a certain code language, PROMOTION is written as 365458957, how will the word MONITOR be written in that code language?

- (a) 4579856 (b) 4578956
 (c) 4597866 (d) 4578596

RRB NTPC 12.04.2016 Shift : 3

Ans. (a) : Given as,

PROMOTION
 $\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow$
 3 6 5 4 5 8 9 5 7

Using the given code

MONITOR \Rightarrow 4579856.

46. In a certain code language 'EXTRANET' is written as 9#416394 and 'TECHNOLOGY' as 492735850#. How will be the word 'TOLERANCE' written in that code language.

- (a) 458913629 (b) 459813629
 (c) 458916329 (d) 549816329

RRB NTPC 12.04.2016 Shift : 1

Ans. (c) : Given as,

EXTRANET TECHNOLOGY
 $\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow$ And $\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow$
 9 # 4 1 6 3 9 4 4 9 2 7 3 5 8 5 0 #

Using the above code

TOLERANCE \rightarrow 458916329

47. If ARC coded as \$@* and HIT coded as #&% then CHAIR will be coded as ?

- (a) #* & \$@ (b) #*\$&%
 (c) *#\$&@ (d) *#\$&%

RPF SI 10.01.2019 Shift : II

Ans. (c) : Given as,

And,
 A \rightarrow \$ H \rightarrow #
 R \rightarrow @ I \rightarrow &
 C \rightarrow * T \rightarrow %

Using the above code

CHAIR \rightarrow * # \$ & @

48. If VOTER = 41352, HEATER = 743654, TEASER = 645834 then how number S is coded as?

- (a) 1 (b) 5
 (c) 8 (d) 7

RRB NTPC 19.04.2016 Shift : 1

Ans. (c) : Each letter is coded by a number.

VOTER HEATER TEASER
 $\downarrow\downarrow\downarrow\downarrow$, $\downarrow\downarrow\downarrow\downarrow\downarrow$ and $\downarrow\downarrow\downarrow\downarrow\downarrow$
 4 1 3 5 2 7 4 3 6 5 4 6 4 5 8 3 4

Hence, the number 8 represents S.

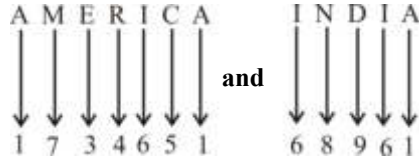
49. If AMERICA = 1734651, INDIA = 68961 then how is CANADA will be written as?

- (a) 719181 (b) 518191
 (c) 519581 (d) 715148

RRB NTPC 28.03.2016 Shift : 1



Ans. (b) : Given as,



Using the above code

CANADA → 518191

Type -2 : Problems Based on Coding of Letters of the English Alphabet into Letters

50. BYTEW is related to YWTEB following a certain logic. Following the same logic, AMFQC is related to QMFCA. Which of the following is TILDW related to following the same logic?

- (a) LTIWD (b) WILDT
(c) WLITD (d) WTLID

RRB NTPC (Stage-II) -12/06/2022 Shift-I

Ans. (d) : Just as,

BYTEW → YWTEB

And,

AMFQC → QMFCA

Similarly,

TILDW → WTLID

Note:- Alphabets are arranged in descending order.

51. In a certain code language, 'MISTAKE' is written as 'LHRUBLF' and 'PROBLEM' is written as 'OQNCMFN'. How will 'STRANGE' be written in the language?

- (a) TUSBMFD (b) RSQBOHF
(c) RSQBMFD (d) TUSAOHF

RRB NTPC (Stage-II) -12/06/2022 Shift-I

Ans. (b) : Just as,

M → L

I → H

S → R

T → U

A → B

K → L

E → F

And,

P → O

R → Q

O → N

B → C

L → M

E → F

M → N

Same as,

S → R

T → S

R → Q

A → B

N → O

G → H

E → F

52. In a certain code language, 'COUSIN' is written as 'UOISNC' and 'AUNTY' is written as 'UAYTN'. How will 'UNCLE' be written in that language?

- (a) CNEUL (b) CNEUL
(c) UENLC (d) UNELC

RRB NTPC (Stage-II) -12/06/2022 (Shift-II)

Ans. (c) : Just as,

COUSIN = UOISNC

And,

AUNTY = UAYTN

Same as

UNCLE = UENLC

Note- Vowels with the highest place value are arranged first and then consonants with the highest place value are arranged.

53. In a certain code language, 'STEM' is written as 'VXHQ' and 'ROOT' is written as 'USRX'. How will 'SEED' be written in that language?

- (a) VIGH (b) VIHH
(c) UJHG (d) UKGG

RRB NTPC (Stage-II) -13/06/2022 (Shift-I)

Ans. (b) : Just as,

S	T	E	M
↓+3	↓+4	↓+3	↓+4
V	X	H	Q

And,

R	O	O	T
↓+3	↓+4	↓+3	↓+4
U	S	R	X

Same as,

S	E	E	D
↓+3	↓+4	↓+3	↓+4
V	I	H	H

Hence, option (b) is correct.

54. In a certain code language, 'NOIDA' is written as 'STNIF' and 'GOA' is written as 'LTF'. How will 'MEERUT' be written in that language?

- (a) SJJVZY (b) RJJWZZ
(c) WZYRJJ (d) RJJWZY

RRB NTPC (Stage-II) -13/06/2022 (Shift-I)

Ans. (d) : Just as,

N	O	I	D	A
↓+5	↓+5	↓+5	↓+5	↓+5
S	T	N	I	F

And

G	O	A
↓+5	↓+5	↓+5
L	T	F

Same as,

M	E	E	R	U	T
↓+5	↓+5	↓+5	↓+5	↓+5	↓+5
R	J	J	W	Z	Y

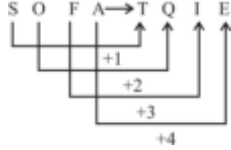
Hence, option (d) is correct.



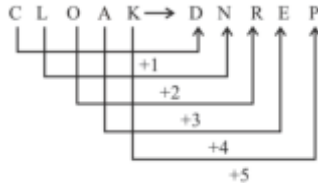
55. In a certain code language, SOFA is written as TQIE and CLOAK is written as DNREP. How will TABLE be written in that language?
- (a) UCDPJ (b) UCEPJ
(c) UBDPJ (d) UCEQH

RRB NTPC (Stage-II) –13/06/2022 (Shift-II)

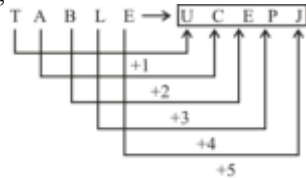
Ans. (b) : Just as,



And,



Same as,



56. In a certain code language, RAMESH is written as AREMHS and PRAKIL is written as 'RPKALI'. How will RISHIPAL be written in that language?
- (a) IRHSPILA (b) RILAPISH
(c) ALIPHSRI (d) IRSHPILA

RRB NTPC (Stage-II) –14/06/2022 (Shift-I)

Ans. (a) : Just as,



And



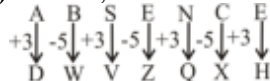
Same as,



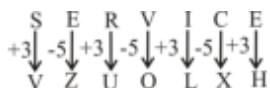
57. In a certain code language, 'ABSENCE' is written 'DWVZQXH' and 'SERVICE' is written as 'VZUQLXH'. How will 'CONSENT' be written in that language?
- (a) FIQMHQ (b) EIPMGHQ
(c) EJPNGIW (d) FJQNIHW

RRB NTPC (Stage-II) –14/06/2022 (Shift-I)

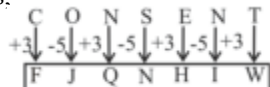
Ans. (d) : Just as,



And



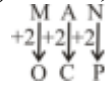
Same as,



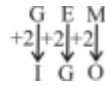
58. In a certain code language MAN is written as OCP and GEM is written as IGO. How will CAT be written in that language?
- (a) ECV (b) TAC
(c) DBU (d) VCE

RRB NTPC (Stage-II) –14/06/2022 (Shift-I)

Ans. (a) : Just as,



And



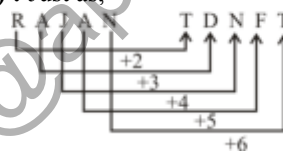
Same as,



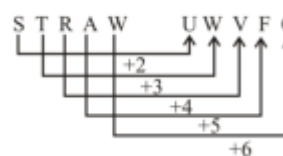
59. In a certain code language, RAJAN is written as TDNFT and STRAW is written as UWVFC. How will ENJOY be written in that language?
- (a) RCNTE (b) GQRCL
(c) GQNT (d) GQCRL

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)

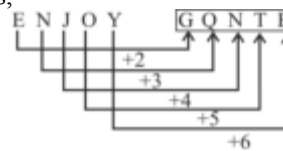
Ans. (c) : Just as,



And,



Same as,



60. 'BELATED' is related to 'TLEEDBA' and 'STOREY' is related to 'YTSROE' in the same way as 'DOUBBLE' is related to '_____'.
(a) OULEDBC (b) OULEDBB
(c) UOLEDBC (d) UOLEDBB

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)

Ans. (d) : Just as,

B E L A T E D T L E E D B A
2 5 12 1 20 5 4 \Rightarrow 20 12 5 5 4 2 1

And,

S T O R E Y Y T S R O E
19 20 15 18 5 25 \Rightarrow 25 20 19 18 15 5

Same as,

D O U B B L E U O L E D B B
4 15 21 2 2 12 5 \Rightarrow 21 15 12 5 4 2 2

Note – In the given questions, words have been arranged in descending order of their alphabetical order.



61. In a certain code language, 'MAIDEN' is written as 'ADEIMN', and 'SILVER' is written as 'EILRSV'. How will 'MAGNET' be written in that language?

(a) AEGMNT (b) EAGNMT
(c) ENGATM (d) AGENMT

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (a) : Just as,

MAIDEN → ADEIMN
13 19 4 5 14 1 4 5 9 13 14

And,

SILVER → EILRSV
19 9 12 22 5 18 5 9 12 18 19 22

Same as,

MAGNET → AEGMNT
13 1 7 14 5 20 1 5 7 13 14 20

Hence, ? = AEGMNT

Note- In the given question, words have been arranged in order of their alphabetical order.

62. In a certain code language, 'MONTH' is written as 'OMPH T' and 'MARCH' is written as 'AMTHC'. How will 'APRIL' be written in that language?

(a) RAPLE (b) PARLI
(c) PATLI (d) PAIRL

RRB NTPC (Stage-II) –16/06/2022 (Shift-III)

Ans. (c) : Just as,

MONTH → OMPH T
MARCH → AMTHC

Same as,

APRIL → PATLI

Hence, option (c) is correct.

63. In a certain code language, 'MOMENTUM' is written as 'EMOMNTUM', and 'EQUATION' is written as 'AUQETION'. How will 'MAGNETIC' be written in that language?

(a) NGMAEITC (b) NGMAETIC
(c) NGAMECTI (d) NGAMETIC

RRB NTPC (Stage-II) –16/06/2022 (Shift-III)

Ans. (d) : Just as,

MOMENTUM → EMOMNTUM
1 2 3 4 5 6 7 8 4 3 2 1 5 6 7 8

And,

EQUATION → AUQETION
1 2 3 4 5 6 7 8 4 3 2 1 5 6 7 8

Same as,

MAGNETIC → NGAMETIC
1 2 3 4 5 6 7 8 4 3 2 1 5 6 7 8

64. In a certain coding language, MORE is written as LNQD and STOP is written as RSNO. How will TOY be written in that language?

(a) SNX (b) PTU
(c) XNS (d) NXS

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (a) : Just as,

M O R E
-1 -1 -1 -1
L N Q D

And

S T O P
-1 -1 -1 -1
R S N O

Same as,

T O Y
-1 -1 -1
S N X

Hence, option (a) is correct.

65. In a certain code language, 'CUP' is coded as 'DAO' and 'RAN' is coded as "SEM". How will 'BAD' be coded in that language?

(a) COD (b) CED (c) CEC (d) COC

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (c) : Just as,

C → +1 → D
U → Next vowel → A
P → -1 → O
And
R → +1 → S
A → Next vowel → E
N → -1 → M

Same as,

B → +1 → C
A → Next vowel → E
D → -1 → C

Hence, the correct answer is CEC.

66. In a certain code language, 'MANGO' is written as 'NCQKT', and 'APPLE' is written as "BRSPJ". How will 'PEARS' be written in that language?

(a) QGDVW (b) QDDVY
(c) QGDVX (d) QGDUW

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (c) : Just as,

MANGO → NCQKT
+1 +2 +3 +4 +5

And,

APPLE → BRSPJ
+1 +2 +3 +4 +5

Same as,

PEARS → QGDVX
+1 +2 +3 +4 +5

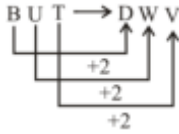


67. In a certain code language BUT is written as DWV and LOW is written as NQY. How will CUP be written in that language?

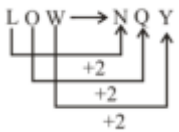
(a) PUC (b) EWR
(c) UCP (d) RWE

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

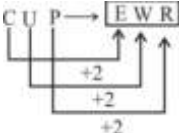
Ans. (b) : Just as,



And,



Same as,



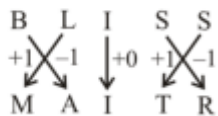
Hence, ? = **EWR**

68. In a certain code language, 'BLISS' is coded as 'MAITR' and 'JAPAN' is coded as 'BIPOZ'. How will 'GLOBE' be coded in that language?

(a) MFACD (b) MFOEA
(c) MFOFA (d) MFOCD

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (c) : Just as,



And,



Same as,



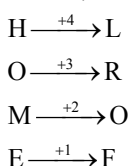
Hence, GLOBE be coded as MFOFA

69. If in a code language, 'HOME' is written as 'LROF' and 'EYE' is written as 'HAF' and 'SO' is written as 'UP', how will 'HOUSE' be written in that language?

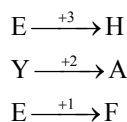
(a) MSWUF (b) LSXUF
(c) MSXUF (d) LQXUF

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (c) : Just as,



and

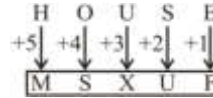


And,

S $\xrightarrow{+2}$ U

O $\xrightarrow{+1}$ P

Same as,



70. In a certain code language, 'COCK' is written as 'EQEM' and 'DUCK' is written as 'FWEM'. How will 'SWAN' be written in that language?

(a) VYDP (b) UYCP
(c) VXCQ (d) UXDP

RRB NTPC (Stage-II) –15/06/2022 (Shift-I)

Ans. (b) : Just as,

C $\xrightarrow{+2}$ E

O $\xrightarrow{+2}$ Q

C $\xrightarrow{+2}$ E

K $\xrightarrow{+2}$ M

And

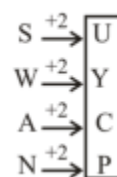
D $\xrightarrow{+2}$ F

U $\xrightarrow{+2}$ W

C $\xrightarrow{+2}$ E

K $\xrightarrow{+2}$ M

Same as,



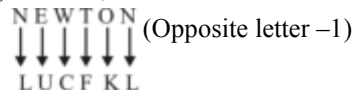
Hence, **SWAN = UYCP**

71. In a certain code language, if 'NEWTON' is written as 'LUCFKL', and 'PASCAL' is written as 'JYGWYN', how will 'TESLA' be written in that language?

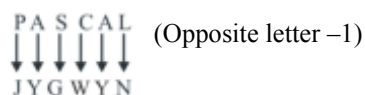
(a) FUGMY (b) FUGNY
(c) ETFMX (d) FUFMY

RRB NTPC (Stage-II) –15/06/2022 (Shift-III)

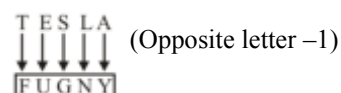
Ans. (b) : Just as,



And,



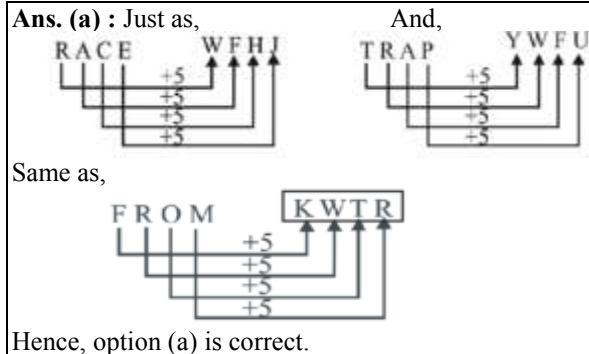
Same as,





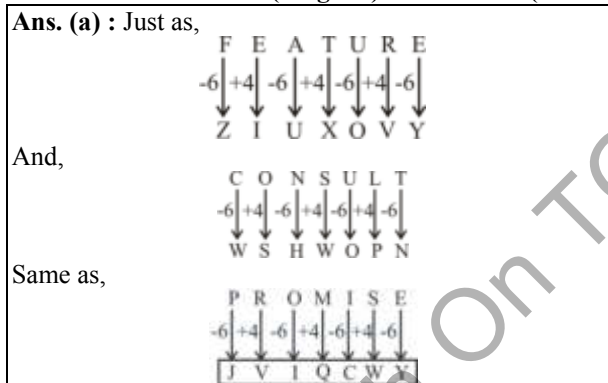
72. In a certain code language, 'RACE' is written as 'WFHJ' and 'TRAP' is written as 'YWFU'. How will 'FROM' be written in that language?
- (a) KWTR (b) LXUS
(c) KXTS (d) LWUR

RRB NTPC (Stage-II) -15/06/2022 (Shift-III)



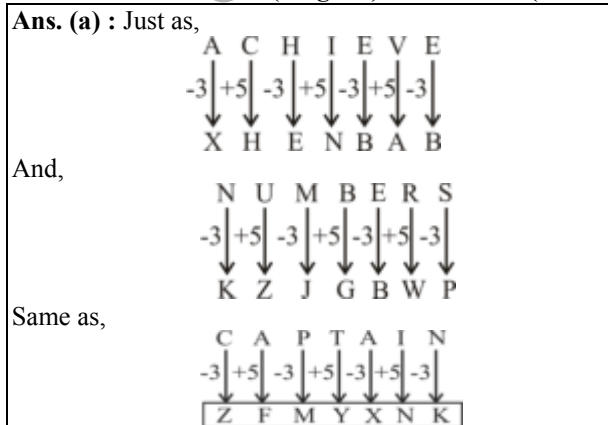
73. In a certain code language, 'FEATURE' is written as 'ZIUXOVY' and 'CONSULT' is written as 'WSHWOPN'. How will 'PROMISE' be written in that language?
- (a) JVIQCWY (b) JUIPCVY
(c) IUHPBVX (d) IVHQBWX

RRB NTPC (Stage-II) -16/06/2022 (Shift-I)



74. In a certain code language, 'ACHIEVE' is written as 'XHENBAB' and 'NUMBERS' is written as 'KZJGBWP'. How will 'CAPTAIN' be written in that language?
- (a) ZFMYXNK (b) YHLAWPJ
(c) YFLYWNJ (d) ZHMAXPK

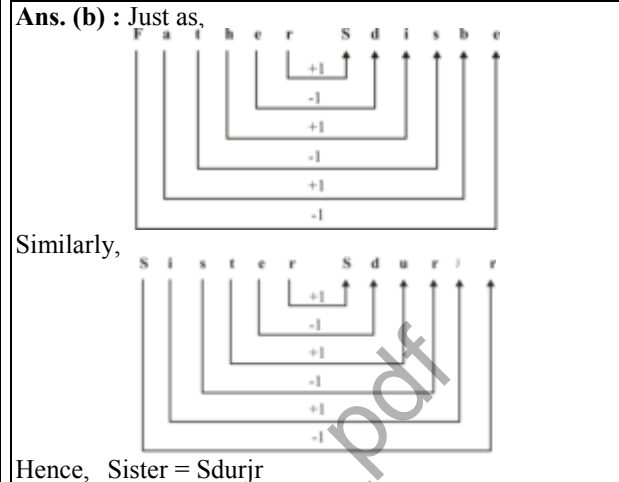
RRB NTPC (Stage-II) -16/06/2022 (Shift-I)



75. If Father = Sdisbe, then Sister = ?

- (a) Sdjrrr (b) Sdurjr
(c) Sdurj (d) Sdrujr

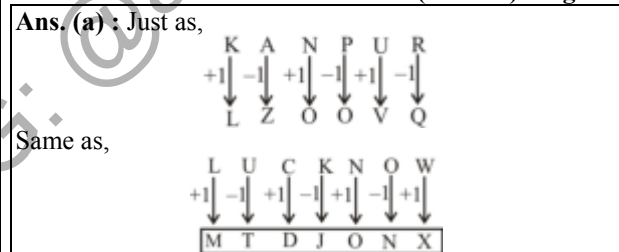
RRB NTPC 29.01.2021 (Shift-I) Stage Ist



76. In a certain code language, If 'KANPUR' is written as 'LZOOVQ', then how will 'LUCKNOW' be written as in that code language?

- (a) MTDJONX (b) MDTJONX
(c) MTDNXOJ (d) MDTNOXJ

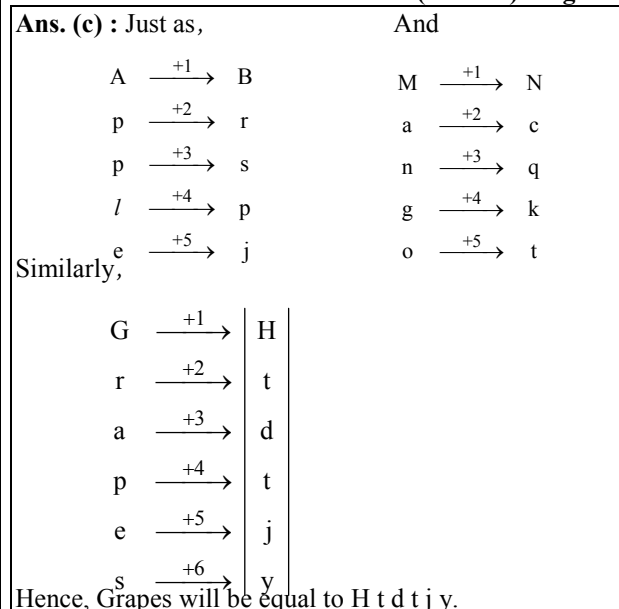
RRB NTPC 08.02.2021 (Shift-II) Stage Ist



77. If Apple = Brspj, and Mango = Ncqkt, then Grapes will be equal to:

- (a) Gsbqdu (b) Hscsjy
(c) Htdtjy (d) Hytchk

RRB NTPC 28.01.2021 (Shift-II) Stage Ist





78. If 'SKIRT' is coded as 'MECLN', how will 'BLOUSE' be written using the same coding language?

(a) VFIMOY (b) VFOMIY
(c) VFIOY (d) VFMOIY

RRB NTPC 27.02.2021 (Shift-I) Stage Ist

Ans. (c) : Just as,

S $\xrightarrow{-6}$ M
K $\xrightarrow{-6}$ E
I $\xrightarrow{-6}$ C
R $\xrightarrow{-6}$ L
T $\xrightarrow{-6}$ N

Same as,

B $\xrightarrow{-6}$ V
L $\xrightarrow{-6}$ F
O $\xrightarrow{-6}$ I
U $\xrightarrow{-6}$ O
S $\xrightarrow{-6}$ M
E $\xrightarrow{-6}$ Y

79. If in a certain code language REWARI is coded as TGYCTK, then how is DELHI coded in the same code language?

(a) FGLJK (b) FGNJK
(c) FGOJK (d) FGMJK

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

R E W A R I
 $+2 \downarrow +2 \downarrow +2 \downarrow +2 \downarrow +2 \downarrow +2 \downarrow$
T G Y C T K

Similarly,

D E L H I
 $+2 \downarrow +2 \downarrow +2 \downarrow +2 \downarrow +2 \downarrow$
F G N J K

80. In a certain code language CRUDE is written as BSTED. How is MOIST written that language?

(a) LPHTS (b) NNJRU
(c) NPJTU (d) LNHRU

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

C R U D E
 $-1 \downarrow +1 \downarrow -1 \downarrow +1 \downarrow -1 \downarrow$
B S T E D

Similarly,

M O I S T
 $-1 \downarrow +1 \downarrow -1 \downarrow +1 \downarrow -1 \downarrow$
L P H T S

81. In a certain code language, 'BUREAK' is written as 'PZVIFY'. What is the code for 'CASPTL' in that code language?

(a) PHKGYX (b) OHKGZX
(c) PGKHXY (d) OGKHZX

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

B U R E A K P Z V I F Y
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
Opposite letter

Same as,

C A S P T L O G K H Z X
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
Opposite letter

82. In a certain code language, DAISY is written as CYFOT. How will ROSE be written in that language?

(a) PMOY (b) QMOY
(c) QMPA (d) SPTF

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (c) : Just as,

D A I S Y
 $-1 \downarrow -2 \downarrow -3 \downarrow -4 \downarrow -5 \downarrow$
C Y F O T

Similarly,

R O S E
 $-1 \downarrow -2 \downarrow -3 \downarrow -4 \downarrow$
Q M P A

Hence, code language of ROSE will be QMPA.

83. In a certain code, OQIOIQOQQIOQ is written as OIQOQQIOQQI. How will EFKFKEFFEKEFK be written in that code?

(a) KEKEFFEKEFEK (b) FKEKEFFEKEFK
(c) KFKEKEFFEKEF (d) EFKFKEFFEKEFK

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

O Q I O I Q O Q Q I O Q
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
1 2 3 4 5 6 7 8 9 10 11 12

O I Q O Q Q I O Q O Q I
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
4 5 6 7 8 9 10 11 12 1 2 3

Same as,

E F K F K E K E F F E K
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
1 2 3 4 5 6 7 8 9 10 11 12

F K E K E F F E K E F K
 $\downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow$
4 5 6 7 8 9 10 11 12 1 2 3

Hence,

E F K F K E K E F F E K = F K E K E F F E K E F K

84. In a certain code language, ALIGATOR is written as LAROGITA. How will COMPUTER be written as in that language?

(a) PMOCRETU (b) OCREPMTU
(c) OCPMTURE (d) RETUPMOC

RRB NTPC 06.04.2021 (Shift-I) Stage Ist



Ans. (b) : Just as,

A L I G A T O R → L A R O G I T A
1 2 3 4 5 6 7 8 2 1 8 7 4 3 6 5
Same as,
C O M P U T E R → O C R E P M T U
1 2 3 4 5 6 7 8 2 1 8 7 4 3 6 5

85. In a certain code language LEADER is written as ELDARE, then how will FOUNTAIN be written in that code language?

(a) FONUATIN (b) FOUNTANI
(c) OFNUATNI (d) OFUNATIN

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (c) :

Just as,
L E A D E R → E L D A R E
1 2 3 4 5 6 2 1 4 3 6 5
Similarly,
F O U N T A I N → O F N U A T N I
1 2 3 4 5 6 7 8 2 1 4 3 6 5 8 7

86. In a certain code language, ABHIMANYU is written as BAIJNBOUY. How will KARMPUTRA be written as in that language?

(a) AKSNQVUAR (b) ABRNQVUSR
(c) AKSPMTUSB (d) ABRNVUTAR

RRB NTPC 08.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

A B H I J M A N Y U
↓ ↓ ↓ ↓ ↓
B A I J N B O U Y
Similarly,
K A R M P U T R A
↓ ↓ ↓ ↓ ↓
A K S N Q V U A R

87. If OFG = M and ICM = P, then find KDE = ?

(a) I (b) J
(c) H (d) K

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

O F G ⇒ M
↓ ↓ ↑
6 + 7 = 13
And
I C M ⇒ P
↓ ↓ ↑
3 + 13 = 16
Same as,
K D E ⇒ I
↓ ↓ ↑
4 + 5 = 9
Hence, KDE = I

88. In a certain code language, LOTUS is written as KPSVR. How will WATER be written in that code?

(a) UQSGB (b) VBFSQ
(c) UBFSQ (d) VBSFQ

RRB NTPC 16.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

Same as,
L →⁻¹ K W →⁻¹ V
O →⁺¹ P A →⁺¹ B
T →⁻¹ S T →⁻¹ S
U →⁺¹ V E →⁺¹ F
S →⁻¹ R R →⁻¹ Q

So, WATER will be written as VBSFQ.

89. In a certain language SMILE is coded as HNROV, how will TEACH be coded in that language?

(a) GVZXS (b) GSZVX
(c) GXVSZ (d) GZVXS

RRB NTPC 29.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as –

S M I L E
↓ ↓ ↓ ↓ ↓ Opposite letter
H N R O V
Similarly,
T E A C H
↓ ↓ ↓ ↓ ↓ Opposite letter
G V Z X S

90. In a certain code language, TEACHER is written as TFCFLJX. How will CATCHER be written as in that language?

(a) BCVFLXJ (b) CBVFLJX
(c) CBVFJLX (d) BCVFLJY

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

T E A C H E R
+0 +1 +2 +3 +4 +5 +6
↓ ↓ ↓ ↓ ↓ ↓ ↓
T F C F L J X
Same as,
C A T C H E R
+0 +1 +2 +3 +4 +5 +6
↓ ↓ ↓ ↓ ↓ ↓ ↓
C B V F L J X

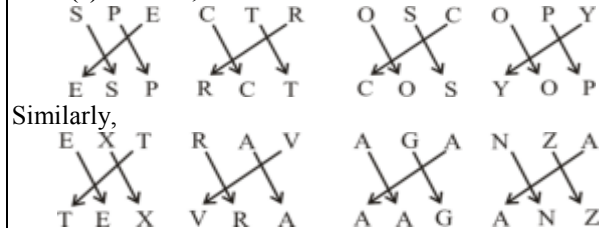
91. In a certain code language SPECTROSCOPY is written as ESPRCTCOSYOP, how will EXTRAVAGANZA be written in that code language?

(a) REXTGAVAANZA
(b) TXEVARAGAAZN
(c) TEXVRAAAGANZ
(d) TEXVRAAGAANZ

RRB NTPC 10.02.2021 (Shift-II) Stage Ist



Ans. (c) : Just as,

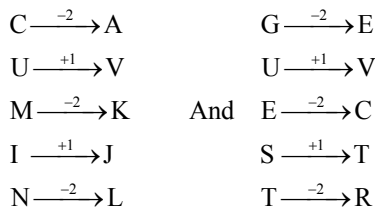


92. In a certain coding language, 'CUMIN' is written as 'AVKJL' and 'GUEST' is writing as 'EVCTR'. How will 'ALIEN' be written as in that language?

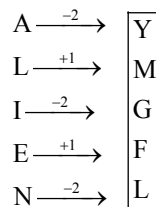
- (a) YMGFL (b) BJKLF
(c) UHFTR (d) VTFSE

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,



Same as,



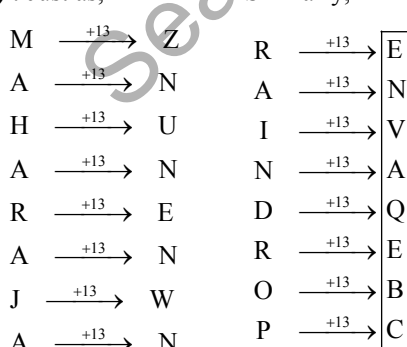
So, ALIEN → YMGFL

93. In a certain code language, MAHARAJA is written as ZNUNENWN. How will RAINDROP be coded as in that language?

- (a) ENVAEQBC (b) ENVAQEBC
(c) EVNAQEBC (d) ENAVQEBC

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (b) : Just as,



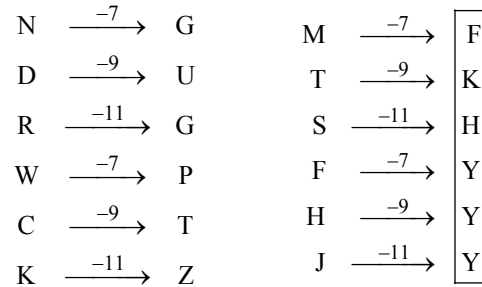
94. In a certain code language, 'NDRWCK' is written as 'GUGPTZ'. What is the code for 'MTSFHJ' in that code language?

- (a) FOPWWW (b) FOPXXX
(c) FKHZZZ (d) FKHYYY

RRB NTPC 03.02.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

In the same way,



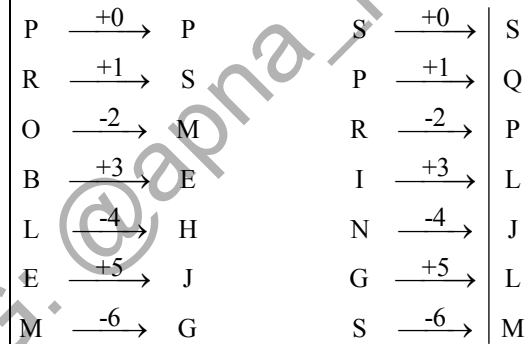
95. In a certain code language, PROBLEM is written as PSMEHJG. How will SPRINGS be written as in that language?

- (a) SQPLJLM (b) SQTLLJS
(c) SQPLJLS (d) SOPLJLS

RRB NTPC 03.04.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

Same as,



Hence, SPRINGS will be written as SQPLJLM.

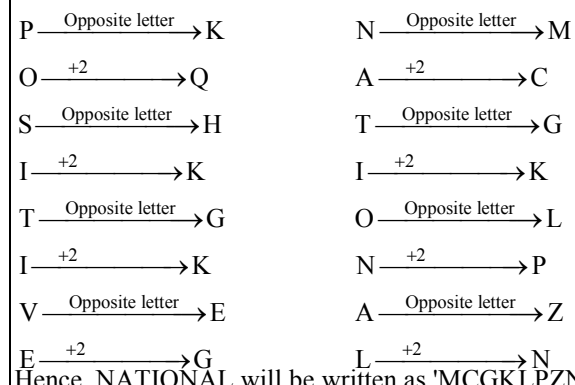
96. In a certain code language, POSITIVE is written as KQHKGKEG. How will NATIONAL will be written as in that language?

- (a) MCGKLPZN (b) MCGKOCPL
(c) MCKGPLZN (d) MCGKLPCO

RRB NTPC 24.07.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

Same as,



Hence, NATIONAL will be written as 'MCGKLPZN' in that language.

97. In a certain code language. If TREE is SQDD, which of the below option will be CUSHION?

- (a) BTRGHNM (b) BVQIPOM
(c) DVTIJPO (d) BTRGJPM

RRB NTPC 22.01.2021 (Shift-II) Stage Ist



Ans. (a) : Just as,

T $\xrightarrow{-1}$ S
R $\xrightarrow{-1}$ Q
E $\xrightarrow{-1}$ D
E $\xrightarrow{-1}$ D

Similarly,

C $\xrightarrow{-1}$ B
U $\xrightarrow{-1}$ T
S $\xrightarrow{-1}$ R
H $\xrightarrow{-1}$ G
I $\xrightarrow{-1}$ H
O $\xrightarrow{-1}$ N
N $\xrightarrow{-1}$ M

Hence, CUSHION will be written as BTRGHNM

98. In a certain code language, OFFICE is written as FFOECI. How will CIRCLE be written as in that language?

- (a) RICELC (b) CELCRI
(c) ELCRIC (d) ICCREL

RRB NTPC 09.02.2021 (Shift-II) Stage 1st

Ans. (a) : Just as,

OFFICE
FFOECI

Similarly,

CIRCLE
RICELC

99. If GLOBAL is coded as HMPCBM, in the same way as STAND can be coded as —?

- (a) TUBEO (b) TBOUE
(c) TBUEO (d) TUBOE

RRB NTPC 30.04.2016 Shift : 3

Ans. (d) : Just as,

GLOBAL HMPCBM
+1 +1 +1 +1 +1 +1

Similarly,

STAND TUBOE
+1 +1 +1 +1 +1 +1

100. If in a certain language, HEAVEN is coded as IFBWFO, how is HARVARD coded in that code?

- (a) IBSWBES (b) IBESSW
(c) IBSWBSE (d) SWIBBES

RRB NTPC 30.04.2016 Shift : III

Ans. (c) : Just as,

HEAVEN IFBWFO
-1 -1 -1 -1 -1 -1

Similarly,

HARVARD IBSWBSE
-1 -1 -1 -1 -1 -1

101. If in a certain code language, KEPLER is coded as EKLPRE, how is GALAXY coded in that code?

- (a) GAALYX (b) AGALYX
(c) GXALAY (d) LAYXGA

RRB NTPC 30.04.2016 Shift : II

Ans. (b) : Just as,

1 2 | 1 2 | 1 2 \rightarrow 2 1 | 2 1 | 2 1
K E | P L | E R \rightarrow E K | L P | R E

Similarly,

1 2 | 1 2 | 1 2 \rightarrow 2 1 | 2 1 | 2 1
G A | L A | X Y \rightarrow A G | A L | Y X

102. If KINGS is coded as RFMHJ, then how will you code QUEEN?

- (a) RTDMD (b) MDDTP
(c) VFFOT (d) EUULG

RRB NTPC 28.04.2016 Shift : II

Ans. (b) : Just as,

K I N G S R F M H J
-1 -1 -1 -1 -1
Q U E E N M D D T P
-1 -1 -1 -1 -1

Hence, QUEEN = MDDTP

103. If TEACHER is coded as UDBBIDS, then STUDENT will be coded as?

- (a) RSTCDMS (b) TUVEFOU
(c) TSVCFMU (d) RUTEDOS

RRB NTPC 28.04.2016 Shift : II

Ans. (c) : Just as,

T E A C H E R
+1 +1 +1 +1 +1 +1
U D B B I D S

Similarly,

S T U D E N T
+1 +1 +1 +1 +1 +1
T S V C F M U

Hence, STUDENT \rightarrow TSVCFMU

104. If in a certain language, SCARCE is coded as CSRAEC, how is STABLE coded in that code?

- (a) TBSAEL (b) BTSAEL
(c) BTLSA (d) TSBAEL

RRB NTPC 27.04.2016 Shift : III

Ans. (d) : Just as,

1 2 | 1 2 | 1 2 \Rightarrow 2 1 | 2 1 | 2 1
S C | A R | C E \Rightarrow C S | R A | E C

Similarly,

1 2 | 1 2 | 1 2 \Rightarrow 2 1 | 2 1 | 2 1
S T | A B | L E \Rightarrow T S | B A | E L

105. If in a certain language, TOGGLE is coded as OTGGEL, how is KEPLER coded in that code.

- (a) EEKLPR (b) PREEKL
(c) RPEEKL (d) EKLPRE

RRB NTPC 27.04.2016 Shift : I

Ans. (d) : Just as,

1 2 3 4 5 6 \Rightarrow 2 1 4 3 6 5
T O G G L E \Rightarrow O T G G E L

Similarly,

1 2 3 4 5 6 \Rightarrow 2 1 4 3 6 5
K E P L E R \Rightarrow E K L P R E



106. If in a certain language, GIRL is coded as HJSM, how is LADY coded in that code?

- (a) MBEZ (b) MBZE
(c) MEBZ (d) MZBE

RRB NTPC 26.04.2016 Shift : III

Ans. (a) : Just as,

G $\xrightarrow{+1}$ H
I $\xrightarrow{+1}$ J
R $\xrightarrow{+1}$ S
L $\xrightarrow{+1}$ M

Similarly,

L $\xrightarrow{+1}$ M
A $\xrightarrow{+1}$ B
D $\xrightarrow{+1}$ E
Y $\xrightarrow{+1}$ Z

107. If NOTEBOOK is coded as REGOLEEN, and SHIRT as XYZBG, then TORN is coded as.

- (a) GZBR (b) GEBN
(c) GEBR (d) GOBR

RRB NTPC 26.04.2016 Shift : II

Ans. (c) : Just as,

NOTEBOOK And SHIRT
REGOLEEN XYZBG
TORN
GEBR

According to the given code,

Hence, TORN = GEBR

108. If in a certain language, TEMPORARY is coded as RPMOAETRY, how is PERMANENT coded in that code?

- (a) NMRAEEPNT (b) MNRAEPNT
(c) AMRNEEPNT (d) REANMEPNT

RPF SI 11.01.2019 Shift I

Ans. (a) : Just as,

1 2 3 4 5 6 7 8 9 6 4 3 5 7 2 1 8 9
T E M P O R A R Y — R P M O A E T R Y
1 2 3 4 5 6 7 8 9 6 4 3 5 7 2 1 8 9
P E R M A N E N T — N M R A E E P N T

Hence, PERMANENT — NMRAEEPNT

109. If ABSENT = BDVISZ, then SCHOOL coded as?

- (a) TKESSR (b) TEKSTR
(c) TKERTS (d) TEKRRS

RRB NTPC 19.01.2017 Shift : I

Ans. (b) : Just as,

A B S E N T S C H O O L
 $\downarrow +1 \downarrow +2 \downarrow +3 \downarrow +4 \downarrow +5 \downarrow +6$ $\downarrow +1 \downarrow +2 \downarrow +3 \downarrow +4 \downarrow +5 \downarrow +6$
B D V I S Z T E K S T R

Type -3 : Problems Based on Coding Language

110. In a certain code language, 'cip civ cin' is written as 'life is good', 'cip cin er' is written as 'love is life'. How will 'love' be written as in that language?

- (a) cip (b) oob
(c) er (d) cin

RRB NTPC (Stage-II) -12/06/2022 Shift-I

Ans. (c) : According to the question,

cip civ cin \rightarrow life is good
cip cin er \rightarrow love is life

\therefore Love will be written as 'er'.

111. In a certain code language.

'living inside houses' is coded as 'ca de mo'.

'snow houses built' is coded as 'ni tp ca'.

'living with snow man' is coded as 'vr hs ni mo'.

If 'built with brick' is coded as 'vr aj tp'.

(Note: All codes are two letter codes only)

What is the probable code for 'brick man' in the given code language?

- (a) aj vr (b) mo to
(c) vr ni (d) hs aj

RRB NTPC (Stage-II) -12/06/2022 (Shift-II)

Ans. (d) : According to the question,

living inside houses \rightarrow ca de mo
snow houses built \rightarrow ni tp ca
living with snow man \rightarrow vr hs ni mo
built with brick \rightarrow vr aj tp

Hence, possible code for 'brick man' will be 'aj hs'.

112. In a certain code language, 'she is beautiful' is written as 'mat mug bit', and 'beautiful and water' is written as 'bit cap lan'. How will 'beautiful' be written in that language?

- (a) bit (b) mug
(c) cap (d) mat

RRB NTPC (Stage-II) -13/06/2022 (Shift-I)

Ans. (a) : According to the question,

she is beautiful \rightarrow mat mug bit
beautiful and water \rightarrow bit cap lan

Hence it is clear from above code that 'beautiful' will be written as 'bit'.

113. In a certain code language, 'bitter ash kill' is written as 'pal odd tom', very cute doll' is written as 'saw tim toy' and 'doll and kill' is written as 'toy sad tom'. How will 'and' be written in that language?

- (a) toy (b) cute
(c) sad (d) doll

RRB NTPC (Stage-II) -13/06/2022 (Shift-II)

Ans. (c) : According to the question,

bitter Ash kill \rightarrow pal odd tom
very cute doll \rightarrow saw tim toy
doll and kill \rightarrow toy sad tom

Hence, and is coded as sad.



114. In a certain code, 'go home' is written as 'ta na' and 'nice little home' is written as 'na ja pa'. How is 'go' written in that code?

(a) ta (b) na or pa
(c) ja (d) na

RRB NTPC (Stage-II) -13/06/2022 (Shift-II)

Ans. (a) : According to the question,

go home → ta na

nice little home → na ja pa

Hence, It is clear from above code that code of 'go' is written as 'ta'.

115. In a certain code language, 'never speak ill' is coded as 'ml un ha', 'fall ill often' is coded as 'ed pe ml', 'they speak often' is coded as 'ha ed os', (Note : All codes are two letter codes only) What is the probable code for 'they fall' in the given code language?

(a) os ml (b) ed pe
(c) pe os (d) ml ed

RRB NTPC (Stage-II) -15/06/2022 (Shift-II)

Ans. (c) : According to the question,

never speak ill → ml un ha
fall ill often → ed pe ml
they speak often → ha ed os

So, the possible code of 'they fall' will be 'pe os'.

116. In a certain code language, 'We can sing' is coded as 'pd ns ca', 'sing new songs' is coded as 'io uv ca', 'can join new' is coded as 'km uv pd', (Note: All codes are two letter codes only) What is the probable code for 'we join' in the given code language?

(a) ns (b) km ns
(c) pd uv (d) uv km

RRB NTPC (Stage-II) -15/06/2022 (Shift-II)

Ans. (b) : According to the question,

we can sing → pd ns ca
 sing new songs → io uv ca
 can Join new → km uv pd

So, 'we Join' will be coded as km ns.

117. In a certain code language, 'Space Thee Bliss' is written as 'is jk th', 'Bliss Youth Last' is written as 'th cu wn', 'River Last God' is written as 'cu gd ap', 'Bliss Thee Bad' is written as 'jk th if'.

How will 'Bliss Thee Youth' be written in that language?

(a) th cu wn (b) jk cu wn
(c) th jk gd (d) th jk wn

RRB NTPC (Stage-II) -15/06/2022 (Shift-I)

Ans. (d) : According to the question,

'Space Thee Bliss' = is jk th
'Bliss Youth Last' = th cu wn
'River Last God' = cu gd ap
'Bliss Thee Bad' = jk th if

Hence, Bliss Thee Youth will be written as 'th jk wn'.

118. In a certain code language, 'You are bad' is written as 'YO LO PO', 'Schools are bad' is written as 'NO PO YO' and 'You are human' is written as 'LO PO RO'.

How will 'Human are bad' be written in that language?

(a) RO NO PO (b) RO PO LO
(c) RO YO NO (d) RO YO PO

RRB NTPC (Stage-II) -17/06/2022 (Shift-III)

Ans. (d) : According to the question,

You are bad → YO LO PO
Schools are bad → NO PO YO
You are human → LO PO RO

Hence, Human are bad is codes as RO YO PO .

119. In a certain code, 'red fancy light' is written as TK MD BH, 'tomatoes are red' is written as MD NG LS

Which of the following is the code for 'red'?

(a) NG (b) BH
(c) TK (d) MD

RRB NTPC (Stage-II) -16/06/2022 (Shift-III)

Ans. (d) : According to the question,

red fancy light → TK MD BH
tomatoes are red → MD NG LS
Hence, code for 'red' will be MD.

120. In a certain code language, 'find my car' is coded as 'mi co kh', 'black vintage car' is coded as 'co ne ve', 'find black house' is coded as 'ne kh sa', (Note : All codes are two letter codes only) What could be the code for 'my vintage house' in the given code language?

(a) ve kh ne (b) mi ne co
(c) sa mi ve (d) kh co sa

RRB NTPC (Stage-II) -16/06/2022 (Shift-II)



Ans. (c) : According to the question,



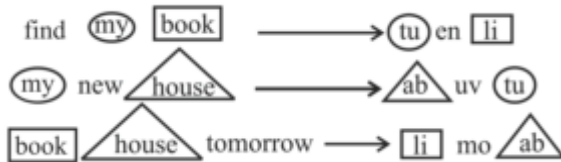
Hence, 'my vintage house' is coded as sa mi ve.

121. In a certain code language,
'find my book' is coded as 'tu en li'
'my new house' is coded as 'ab uv tu'
'book house tomorrow' is coded as 'li mo ab'.
(Note: All codes are two letter codes only)
What is the probable code for 'new tomorrow' in the given code language?

- (a) uv ab (b) ab li
(c) en tu (d) mo uv

RRB NTPC (Stage-II) -16/06/2022 (Shift-II)

Ans. (d) : Given,



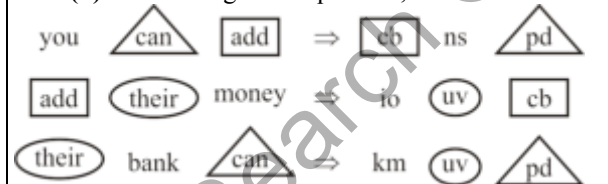
Hence, it is clear from above that 'new tomorrow' is coded as mo uv.

122. In a certain code language,
'you can add' coded as 'cb ns pd'
'add their money' coded as 'io uv cb'
'their bank can' coded as 'km uv pd'
(Note: All codes are two letter codes only)
What is the probable code for 'money bank' in the given code language?

- (a) cb km (b) io pd
(c) pd cb (d) km io

RRB NTPC (Stage-II) -12/06/2022 (Shift-II)

Ans. (d) : According to the question,



Hence, the possible code for 'money bank' would be 'km io'.

123. In a code language -
'123' means 'good to taste'
'456' means 'see you soon'
'789' means 'be right back'
Which of the following numbers stands for 'be' in that language?

- (a) 9 (b) 4
(c) 1 (d) 7

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question,

123 → good to taste

456 → see you soon

789 → be right back

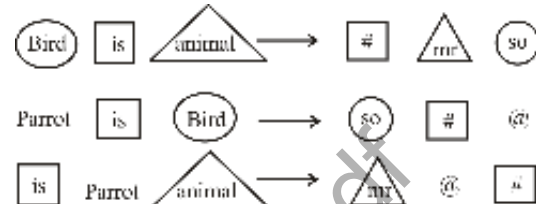
It is clear that code for 'be' will be 7, because all the codes in sequence.

124. In a certain code language, 'Bird is animal' is written as '# mr so', 'Parrot is Bird' is written as 'so # @', 'is Parrot animal' is written as 'mr @ #'. What is the code for 'animal' in that code language?

- (a) @ (b) so
(c) mr (d) #

RRB NTPC 21.03.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,



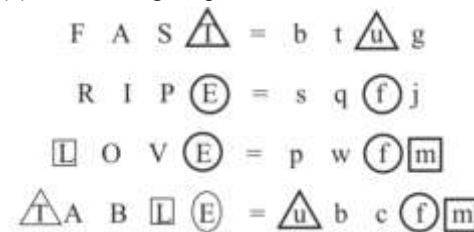
Hence, it is clear that animal is coded as 'mr'.

125. In a certain code language, 'FAST' is written as 'btug', 'RIPE' is written as 'sqfj', 'LOVE' is written as 'pwfm' and 'TABLE' is written as 'ubcfm'. Which of the following is the code for 'E'?

- (a) f (b) m
(c) j (d) p

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to question,



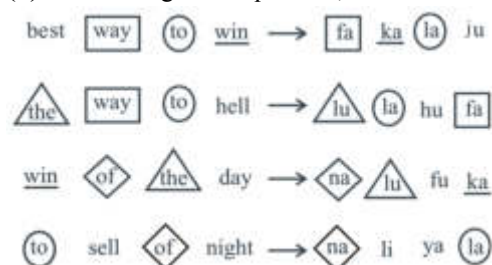
∴ The code 'f' will be appropriate for 'E'.

126. In a certain code, 'best way to win' is written as 'fa ka la ju', 'the way to hell' is written as 'lu la hu fa', 'win of the day' is written as 'na lu fu ka' and 'to sell of night' is written as 'na li ya la'. Which of the following represents 'of the way'?

- (a) na ka fa (b) ka lu na
(c) lu na ya (d) lu na fa

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,



Hence, code 'of the way' is na lu fa.



127. In a certain language
GJL TUO CBM stands for 'It is car'
QAZ GJL KJH stands for 'He is Ram'
CBM KJH OIU stands for 'Ram has car'
In that language, which of the following stands for 'It'?

(a) TUO (b) CBM
(c) KJH (d) QAZ

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,
GJL TUO CBM → 'It is car'
QAZ GJL KJH → 'He is Ram'
CBM KJH OIU → 'Ram has car'
Therefore, the meaning of 'It' will be 'TUO'.

128. In a certain code language, '95' means 'estimated time', '469' means 'space and time' and '65' means 'estimated space'. Which of the following numbers mean 'space' in that language?

(a) 6 (b) 4
(c) 9 (d) 5

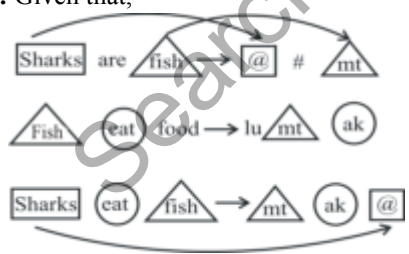
RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question-
9 5 = estimated time
4 6 9 = Space and time
6 5 = estimated Space
Hence code for space is 6.

129. In a certain code language, 'Sharks are fish' is written as '@ # mt', 'Fish eat food' is written as 'lu mt ak', 'Sharks eat fish' is written as 'mt ak @'. What is the code for 'Sharks' in that code language?

(a) mt (b) ak
(c) @ (d) lu

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

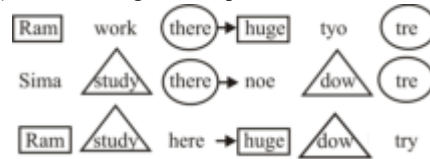
Ans. (c) : Given that,

Hence, Sharks = @

130. In a certain code language, 'Ram work there' is written as 'huge tyo tre', 'Sima study there' is written as 'noe dow tre' and 'Ram study here' is written as 'huge dow try', then how will 'Ram there' and 'Sima work' be written as in that language respectively?

(a) 'try dow' and 'huge tyo'
(b) 'noe tyo' and 'huge dow'
(c) 'huge tre' and 'noe tyo'
(d) 'huge tyo' and 'dow tre'

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question,

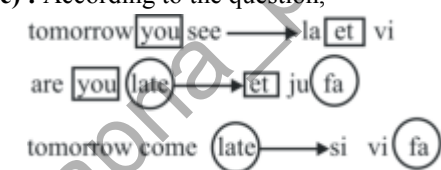


'Ram there' will be written as 'huge tre' and 'Sima work' will be written as 'noe tyo'.

131. In a certain code language, 'tomorrow you see' is written as 'la et vi', 'are you late' is written as 'et ju fa' and 'tomorrow come late' is written as 'si vi fa'. How will 'are' be written as in that language?

(a) si (b) et
(c) ju (d) la

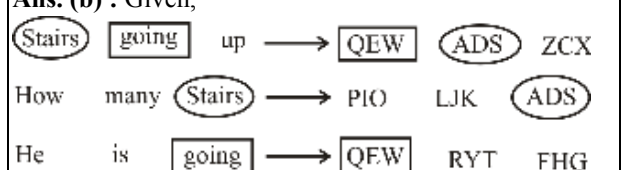
RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question,

It is clear that 'are' will be written as 'ju'.

132. In a certain language:
'Stairs going up' means 'QEW ADS ZCX'
'How many Stairs' means 'PIO LJK ADS'
'He is going' means 'QEW RYT FHG'
Which of the following options will mean 'up'?

(a) QEW (b) ZCX
(c) ADS (d) LJK

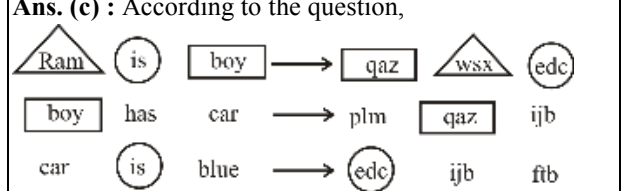
RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (b) : Given,

Hence, 'ZCX' will mean 'up'.

133. In a certain code language 'Ram is boy' is written as 'qaz wxs edc', 'boy has car' is written as 'plm qaz ijb' and 'car is blue' is written as 'edc ijb ftb'. How will 'Ram' be written as in that language?

(a) ftb (b) edc
(c) wxs (d) qaz

RRB NTPC 21.01.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question,

Hence, it is clear that Ram's code = wxs



134. In a symbolic language, 'Surat is a hot place' is written as 'a hot is place Surat' and 'water vapour to air here' is written as 'to air vapour here water', then in the same language, 'Shimla is a hill place' would be written as?

(a) A hill is place Shimla
(b) Shimla is a hill place
(c) A hill place is Shimla
(d) Shimla is a place hill

RRB NTPC 04.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

Surat is a hot place → a hot is place Surat

And,

Water vapour to air here → to air vapour here water

Similarly,

Shimla is a hill place → A hill is place Shimla.

135. In a certain code language 'she is fine' is written as 'li qi si' and 'is sam healthy' is written as 'oi ti li', Find the code for 'is',

(a) qi (b) si
(c) li (d) oi

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,

she **is** fine → **li** qi si

is sam healthy → oi ti **li**

Thus, 'is' will be written as 'li'.

136. In a certain code language, 257 means 'I like you', 746 mean 'you are good' and 263 means 'I am good'. What number is coded for 'are'?

(a) 3 (b) 6
(c) 5 (d) 4

RRB NTPC 10.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question,



Hence, coded number for 'are' is 4.

137. In a certain code language, if '924' means 'they like tomato', '935' means 'we love tomato' and '956' means 'tomato love mango'. Which digit is used for 'mango'?

(a) 4 (b) 2
(c) 9 (d) 6

RRB NTPC 02.02.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question:-

9 2 4 → they like tomato

9 3 5 → we love tomato

9 5 6 → tomato love mango

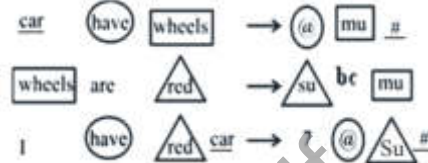
It is clear that digit 6 is used for 'mango'.

138. In a certain code language, 'car have wheels' is written as '@ mu #', 'Wheels are red' is written as 'Su bc mu', 'I have red car' is written as '7 @ Su #'. Which among the following is the code for 'wheels car' in that language?

(a) mu # (b) Su #
(c) mu Su (d) # @

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,



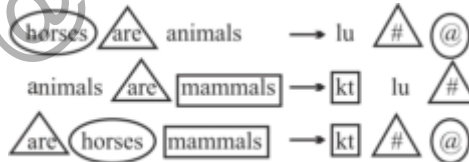
So, the code of 'wheels car' is 'mu #'.

139. In a certain code language, 'horses are animals' is written as 'lu # @', 'animals are mammals' is written as 'kt lu #', 'are horses mammals' is written as 'kt # @', what is the code for 'animals' in that code language.

(a) # (b) kt
(c) lu (d) @

RRB NTPC 03.02.2021 (Shift-I) Stage Ist

Ans. (c) : As per question,



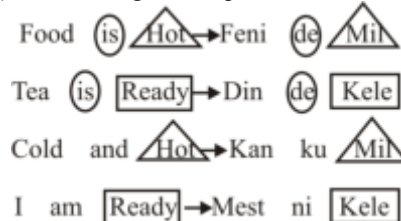
From the above, it is clear that code of "Animals" is 'lu'.

140. In a certain code language 'Food is Hot' is written as 'Feni de mil', Tea is Ready' as 'Din de Kele', Cold and Hot' is coded as 'Kan ku Mil' and 'I am Ready' as 'Mest ni kele', then how will 'Tea is Hot' be written in the same code language.

(a) Din de Mil
(b) Mil de Din
(c) Din ni Mil
(d) Din de Kele

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question,



As per common words-

is → de

Hot → Mil

Ready → Kele

Tea → Din

Hence, Tea is Hot → Din de Mil

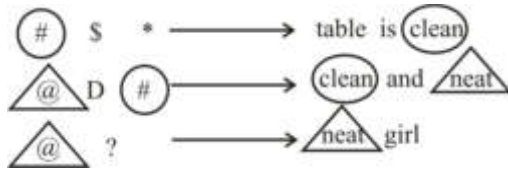


141. In a certain code language, if #S* means 'table is clean', @D# means 'clean and neat' and @? means 'neat girl', then what is the code for 'and' in that language?

(a) ? (b) #
(c) @ (d) D

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question, on arranging the code:-



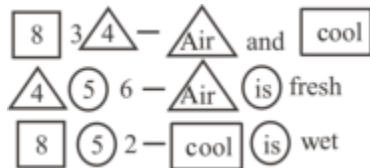
Hence, and = D

142. In a certain language 834 means Air and cool, 456 means Air is fresh and 852 means 'cool is wet' then which of the following stands for 'fresh' in that language.

(a) 5 (b) 6
(c) 3 (d) 4

RPF Constable 24.01.2019 Shift : I

Ans. (b) : According to the question,



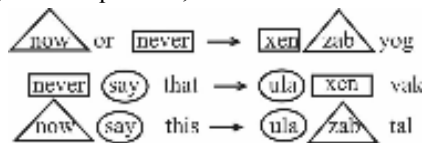
Hence, there will be '6' for 'fresh'.

143. In a certain code language, 'now or never' means 'xen zab yog', never say that means 'ula xen vak' and 'now say this' means 'ula zab tal'. Which of the following stands for 'this or that' in that language?

(a) tal xen zab (b) tal yog vak
(c) tal yog zab (d) ula yog zab

RRB NTPC 26.04.2016 Shift : 1

Ans. (b) : From question,



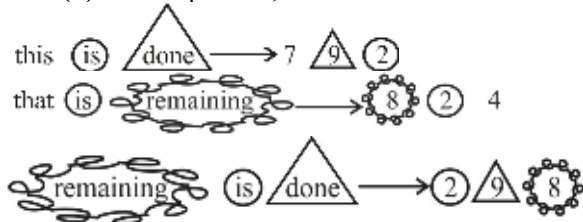
Hence, 'this or that' will be written as 'tal yog vak'.

144. If 'this is done' means 792 'that is remaining' means 824 and 'remaining is done' means 298 as coded which of the following stands for 'done' in that language?

(a) 4 (b) 7
(c) 2 (d) 9

RRB NTPC 22.04.2016 Shift : 1

Ans. (d) : From question,



So, it is clear that the code for 'done' is '9'.

145. If 'you are john' is written as 'net let fat', 'who are you' is 'let wet net' and 'john is good' is 'get set fat', which word represents 'is' ?

(a) set
(b) get
(c) fat
(d) cannot be determined

RRB NTPC 06.04.2016 Shift : 2

Ans. (d) : From question,



is ⇒ get/set

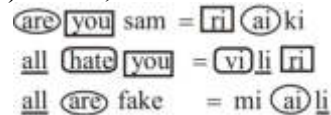
Hence, code for 'is' cannot be determined.

146. If 'are you sam' is written as 'ri ai ki', 'all hate you' is written as 'vi li ri' and 'all are fake' is written as 'mi ai li', which of the following option will represents 'hate' ?

(a) ri (b) li
(c) vi (d) ai

RRB NTPC 06.04.2016 Shift : 1

Ans. (c) : Given,



Hence, hate = vi

147. If 'book is big' is written as '756', 'big is Story' is written as '764' and 'Story book is interesting' is written as '4356', which numbers represents 'interesting' ?

(a) 3 (b) 4
(c) 5 (d) 6

RPF SI 11.01.2019 Shift : II

Ans. (a) : From question,



Hence, 3 is coded for interesting.

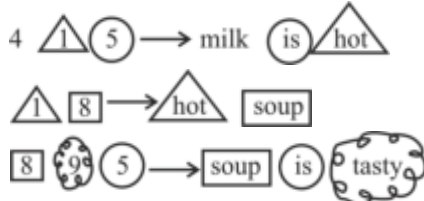
148. If '415' is written as 'milk is hot', '18' is written as 'hot soup' and '895' is written as 'soup is tasty', which numbers represents the word 'tasty' ?

(a) 3 (b) 6
(c) 9 (d) 8

RRB NTPC 18.04.2016 Shift : III



Ans. (c) : From question,



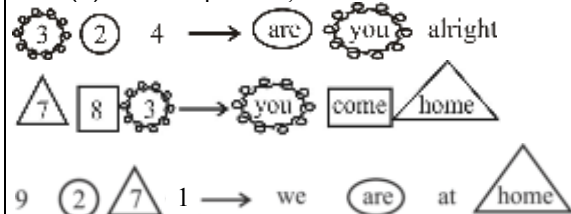
Therefore, it is clear that the number 9 will represent the word 'tasty'.

149. In a certain language code If '324' is written as 'are you alright', '783' is written as 'you come home' and '9271' is written as 'we are at home', which digit represents 'come'?

- (a) 8 (b) 9
(c) 7 (d) 3

RRB NTPC 19.04.2016 Shift : II

Ans. (a) : From question,



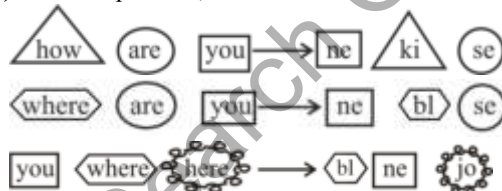
Hence it is clear that the digit 8 represents 'come'.

150. In certain language, 'how are you' is coded as 'ne ki se', 'where are you' is coded as 'ne bl se' and 'you where here' is coded as 'bl ne jo'. What is the code for 'how you here' in that language?

- (a) ki ne jo (b) se ne ki
(c) ne bl se (d) bl ne jo

RRB NTPC 19.04.2016 Shift : II

Ans. (a) : From question,



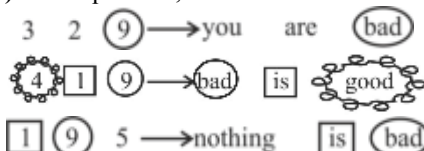
Hence it is clear that how you here -> ki ne jo.

151. In a certain code language, 329' is coded as 'you are bad', 419' is coded as 'bad is good' and 195' is coded as 'nothing is bad', which numbers represents 'good'?

- (a) 9 (b) 4
(c) 1 (d) 3

RRB NTPC 19.04.2016 Shift : II

Ans. (b) From question,



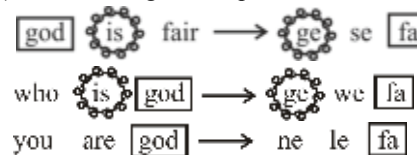
Hence, it is clear that the code for 'good' is '4'.

152. In a certain language, 'god is fair' is coded as 'ge se fa', 'who is god' is coded as 'ge we fa' and 'you are god' is coded as 'ne le fa'. which represents 'is'?

- (a) se (b) ge
(c) fa (d) we

RRB NTPC 19.04.2016 Shift : II

Ans. (b) : According to the question,

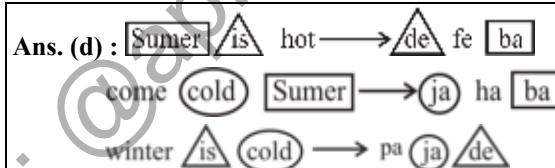


Hence, it is clear that 'is' will be coded 'ge'.

153. If 'Sumer is hot' is coded as 'de fe ba' and 'come cold Sumer' as 'ja ha ba' and 'winter is cold' as 'pa ja de' then 'come hot winter' is coded as _____.

- (a) de ba ja (b) fe ba pa
(c) ba pa ha (d) pa ha fe

RRB NTPC 19.04.2016 Shift : I



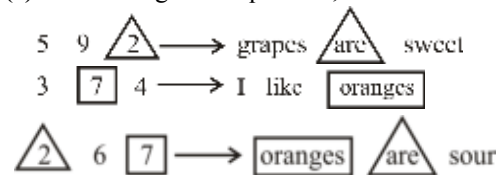
∴ 'come hot winter' will be written as 'pa ha fe'.

154. In a certain code, 592 means 'grapes are sweet', 374 means 'I like oranges' and 267 means 'oranges are sour'. Which digit represents sour?

- (a) 9 (b) 5
(c) 6 (d) Cannot be determined

RRB NTPC 29.03.2016 Shift : III

Ans. (c) : According to the question,



Hence, '6' digit represents 'sour'.

155. In certain code language '413' is coded 'Black is bold', 97685' is coded as 'Birds like the blue sky' and 10274' is coded as 'Peacock is blue and bold', which numbers represents 'blue'?

- (a) 1 (b) 4
(c) 7 (d) 8

RRB NTPC 30.03.2016 Shift : II

Ans. (c) : 413 = Black is bold

9 7 6 8 5 = Birds like the blue sky

10 2 7 4 = Peacock is blue and bold

Hence, blue = 7



156. In a certain language 'doctors are ethical' is coded 921, 'medicines are costly' is coded as '526' and 'medicines are prescribed by doctors' is coded as '28693', which numbers represents 'medicines'?

(a) 9 (b) 2
(c) 5 (d) 6

RPF Constable 24.01.2019 Shift : III

Ans. (d) : doctors [are] ethical → 9 [2] 1

[medicines] [are] costly → 5 [2] 6

[medicines] [are] prescribed by doctors → [2] 8 [6] 9 3

Hence, medicines = 6

157. In certain language 'Ginger is a root' is coded 4123, 'a tree has a root' is coded as '75422' and 'tree is green' is coded as '385'. which numbers represents 'root'?

(a) 4 (b) 5
(c) 3 (d) 2

RRB NTPC 31.03.2016 Shift : II

Ans. (a) : From question,

Ginger [is] a {root} → {4} 1 [2] 3
a [tree] has a {root} → 7 [5] {4} [2] 2
[tree] [is] green → [3] 8 [5]

Hence, root = 4

158. In a certain language 'roses are red' is coded 506, 'violets are blue' is coded as '195' and 'blue and red are few' is coded as '31405'. which numbers represents 'few'?

(a) 3 (b) 1
(c) 4 (d) CND

RRB NTPC 31.03.2016 Shift : I

Ans. (d) : From question,

roses [are] [red] → [5] [0] 6

violets [are] blue → [1] 9 [5]

[blue] and [red] [are] few → 3 [1] 4 [0] [5]

Therefore, by which digit 'few' will be represented, it cannot be determined.

159. In certain language 'Red Yellow and Pink are colours' is coded as 501289, 'Pink is bad' is as coded as '640' and 'Yellow and Red are good' is coded as '21597', which number represents 'Red'?

(a) 2 (b) 5
(c) 9 (d) CND

RRB NTPC 04.04.2016 Shift : II

Ans. (d) : Given,

Red Yellow and [Pink] are colours → 5 [0] 1 2 8 9

[Pink] is bad → 6 4 [0]

Yellow and Red are good → 2 1 5 9 7

Code for 'Red' cannot be determined.

160. In certain code language 'costly dining table' is coded as 'an ob cp', 'cannot buy table' is coded as 'es an dq' then how is written 'table'?

(a) ob (b) cp
(c) dq (d) an

RRB NTPC 04.04.2016 Shift : I

Ans. (d) :

costly dining [table] → [an] ob cp

cannot buy [table] → es [an] dq

Hence, the 'table' will be written as 'an'.

161. In certain code language 'health care is wealth' is coded as '1372', 'health needs care' is coded as '417' and 'he needs wealth' is coded as '463' then how is 'he is wealth' written in that code?

(a) 326 (b) 764
(c) 624 (d) 246

RRB NTPC 05.04.2016 Shift : III

Ans. (a) :

[health] [care] is [wealth] → [1] [3] [7] 2

[health] [needs] [care] → [4] [1] [7]

he [needs] [wealth] → [4] 6 [3]

Hence, 'he is wealth' will be written by 326.

162. In a certain language 'he needs help' is coded 'pe av se', 'someone must help' is coded as 'vo pe em' and 'he is someone' is coded as 'av fi em' then how is 'someone needs help' written in that code?

(a) pe em vo (b) av se pe
(c) pe em se (d) vo av se

RRB NTPC 05.04.2016 Shift : II

Ans. (c) :

[he] needs [help] → [pe] [av] se

[someone] must [help] → vo [pe] [em]

[he] is [someone] → [av] fi [em]

someone → em

needs → se

help → pe

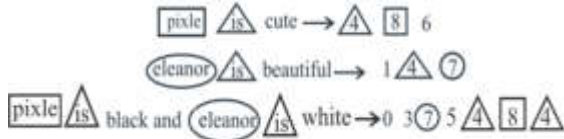
Therefore "someone needs help" will be written as "pe em se".



163. In a certain language 'pixle is cute' is coded as '486', 'eleanor is beautiful' is coded as '147' and 'pixle is black and eleanor is white' is coded as '0375484', which numbers represents 'eleanor'?
- (a) 8 (b) 7
(c) 4 (d) 1

RPF SI 10.01.2019 Shift : III

Ans. (b) : From question,

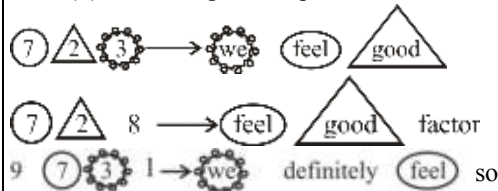


Hence '7' will be used for 'eleanor'.

164. In certain code language '723' is coded as 'we feel good', '728' is coded as 'feel good factor' and '9731' is coded as 'we definitely feel so', which numbers represents 'definitely'?
- (a) 8 (b) 9
(c) 7 (d) CND

RRB NTPC 05.04.2016 Shift-I

Ans. (d) According to the question,

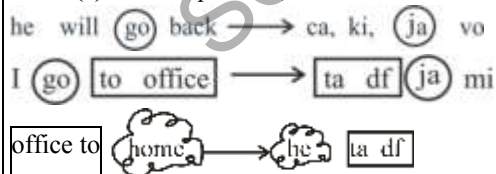


Therefore, it is clear that the code of 'definitely' will be 'either 9 or 1'. Therefore, it cannot be determined.

165. In a certain language, 'he will go back' is coded as 'ca ki ja vo', 'I go to office' is coded as 'ta df ja mi' and 'office to home' is coded as 'he ta df'. What is the code for 'go back home' in that language?
- (a) vo ja ca (b) mi ta ki
(c) he ca ja (d) df ta vo

RRB NTPC 05.04.2016 Shift-I

Ans. (c) : From question,



Hence, as per options, the code for 'go back home' is → he ca ja.

166. In certain language, 'god is great' is coded as 'cp an bo', 'great help done' is coded as 'er cp fs' and 'he is great' is coded as 'bo cp dq'. What is the code for 'he is god' in that language?
- (a) cp er bo (b) an bo cp
(c) dq bo cp (d) an bo dq

RRB NTPC 05.04.2016 Shift : III

Ans. (d) From question,



Hence, he → dq

god → an

is → bo

'he is god' will be represented by 'an bo dq'.

167. If book is called 'pen', pen is called 'wheat' wheat is called 'chair', chair is called 'cup' and cup is called 'book', then which of the following is edible?
- (a) Chair (b) Wheat
(c) Pen (d) Book

RRB NTPC 12.01.2021 (Shift-II) Stage Ist

Ans. (a) : Since wheat is edible food but in the question wheat is called chair, hence chair is the correct answer.

168. If Apple is called 'Shampoo', Shampoo is called 'Milk', Milk is called 'Pen', Pen is called 'Hair' and Hair is called 'Apple', then which of the following will be used for drinking ?
- (a) Hair (b) Shampoo
(c) Apple (d) Pen

RRB NTPC 12.01.2021 (Shift-II) Stage Ist

Ans. (d) : Since 'Milk' is used for drinking but in the question Milk is called Pen. Hence Pen is the correct answer.

169. If Circle is called 'Triangle', Triangle is called 'Square' and Square is called 'Rectangle' then what would a Polygon with three sides be called?
- (a) Circle (b) Triangle
(c) Square (d) Rectangle

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (c) : A polygon with three sides is called Triangle, but in the given question the Triangle is called a Square. Hence option (c) is the required answer.

170. If White is called Black, Black is called Red, Red is called Yellow, Yellow is called Green, Green is called Blue, Blue is called Violet and Violet is called Orange, what would be the colour of human blood ?
- (a) Green (b) Black
(c) Red (d) Yellow

RRB NTPC 17.01.2017 Shift-III

Ans. (d) : White → Black → Red → Yellow → Green → Blue → Violet → Orange

Since the colour of human blood is Red and in the given question Red is called Yellow. Hence, the colour of human blood will be Yellow.



171. If 'Hockey' is known as 'Table', 'Basketball' is known as 'Bed', 'Badminton' is known as 'Stool' and 'Cricket' is known as 'Desk', then which game is played with a net between two players or teams?

(a) Stool (b) Desk
(c) Bed (d) Table

RRB NTPC 02.03.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,

Hockey → Table

Basketball → Bed

Badminton → Stool

Cricket → Desk

Badminton is the game which is played with a net between two players or two teams. But here badminton is called Stool. So, 'Stool' is required answer.

172. If 'Urdu', 'Sanskrit', 'History', 'Physics', and 'Economics' are known as 'Physics', 'History', 'Urdu', 'Economics', and 'Sanskrit', respectively, then in which subject did we study about Newton?

(a) History (b) Physics
(c) Urdu (d) Economics

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (d) : It is clear from the above that we have studied Newton in Physics while in this question Physics has been called Economics.

Hence, option (d) will be correct.

Type -4 : Miscellaneous

173. If the sum of number-clusters 395 and 727 is represented as 101112; and by the same code, the sum of number clusters 276 and 957 is represented as 111213, then which of the following will be code for sum of number clusters 689 and 877?

(a) 141312 (b) 131415
(c) 121314 (d) 141516

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

$$3 + 7 = 10$$

$$9 + 2 = 11$$

$$5 + 7 = 12$$

And,

$$2 + 9 = 11$$

$$7 + 5 = 12$$

$$6 + 7 = 13$$

Same as,

$$6 + 8 = 14$$

$$8 + 7 = 15$$

$$9 + 7 = 16$$

Hence, the coded number is 141516.

174. The word ORANGE has been coded using 4 different codes.

Code 1 : PSBOHF

Code 2 : NQZMFD

Code 3 : QTCPIG

Code 4 : PTDRLK

Which of the given codes is used to write the word FISH or GKVL?

(a) Code 2 (b) Code 1
(c) Code 4 (d) Code 3

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (c) : Just as,

Word → F I S H
↓ +1 ↓ +2 ↓ +3 ↓ +4
Code 4 ← G K V L

On writing ORANGE in the given code language,

O R A N G E
+1 +2 +3 +4 +5 +6
P T D R L K

Hence, the word ORANGE has been written as PTDRLK via code 4.

175. If $67 = 1764$ and $93 = 729$, then which of the given options will be the value of $74 = ?$

(a) 847 (b) 784
(c) 567 (d) 972

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

$$67 = (6 \times 7)^2 = 1764$$

And,

$$93 = (9 \times 3)^2 = 729$$

Same as,

$$74 = (7 \times 4)^2 = 784$$

176. In a certain code language, if DICKENS is written as VQWOULG and ELIOT is written as UNQKF which letter will be in the fifth place, when counted from the left, if HEYER is written in that code language?

(a) G (b) H
(c) I (d) A

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (b) : Just as,

D I C K E N S E L I O T
↓ ↓ ↓ ↓ ↓ ↓ And ↓ ↓ ↓ ↓ ↓ ↓
V Q W O U L G U N Q K F

Sum of the digit of both the letter = 26

Sum of the digit of both the letter = 26

Similarly,

H E Y E R
↓ ↓ ↓ ↓ ↓
R U A U H

Sum of the digit of both the letters = 26

Hence, H will be the fifth letter from left.



177. The word MANGO has been coded using 4 different codes.

Code 1 : NBOHP

Code 2: LZMFN

Code 3: OCPIQ

Code 4 : NCQKT

Which of the given codes is used to write the word ORANGE as PTDRLK?

- (a) Code 4 (b) Code 1
(c) Code 2 (d) Code 3

RRB NTPC 13.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

O R A N G E
+1 +2 +3 +4 +5 +6
↓ ↓ ↓ ↓ ↓ ↓
P T D R L K

On writing MANGO in the code language,

M A N G O
+1 +2 +3 +4 +5
↓ ↓ ↓ ↓ ↓
N C Q K T

Hence, the word ORANGE has been written as PTDRLK via code 4.

178. If in a coding system $7 + 8 + 9 = 798$ and $4 + 6 + 8 = 486$, then what will be the value of $5 + 2 + 4$?

- (a) 524 (b) 452
(c) 425 (d) 542

RRB NTPC 27.03.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

$7 + 8 + 9 = 798$
and 1 2 3 132
 $4 + 6 + 8 = 486$
1 2 3 132

Same as,

$5 + 2 + 4 = 542$
1 2 3 132

179. The word JUNCTION has been coded using 4 different codes.

Code 1: QFMXGRLM

Code 2: LYTKDUCD

Code 3 : KWQGYOVV

Code 4 : LWPEVKQP

Which of the following codes is used to write the word CUSTOMER as XFHLNVI?

- (a) Code 3 (b) Code 2
(c) Code 4 (d) Code 1

RRB NTPC 05.04.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

From code 1-

J U N C T I O N
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

Opposite letter = Q F M X G R L M
of English alphabet

Similarly, from code - 1

C U S T O M E R
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

Opposite letter of = X F H G L N V I

English alphabet

180. The word CORPORATION has been coded using 4 different codes.

Code 1 : XLIKLINGRLM

Code 2: DNSOPQBSJNO

Code 3: XJMKJMVODJI

Code 4 : BPQQNSBSJNO

Which of the following codes is used to write the word ROUTES as SNVSFR?

- (a) Code 1 (b) Code 2
(c) Code 3 (d) Code 4

RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (b) : Just as,

From code 2,

C +1 → D
O -1 → N
R +1 → S
P -1 → O
Q +1 → P
R -1 → Q
A +1 → B
T -1 → S
I +1 → J
O -1 → N
N +1 → O

Similarly,

R +1 → S
O -1 → N
U +1 → V
T -1 → S
E +1 → F
S -1 → R

Hence, code 2 will be the answer.

181. The word RESERVATION has been coded using 4 different codes:

Code 1: SGVIWBHBRY

Code 2: SCVAWPHLREY

Code 3: TGUGTXCVKQP

Code 4: PCQCPTYRGML

Which of the following codes is used to write the word ENQUIRY as FLTQNL?

- (a) Code 2 (b) Code 3
(c) Code 1 (d) Code 4

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

R E S E R V A T I O N
+1 -2 +3 -4 +5 -6 +7 -8 +9 -10 +11
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
S C V A W P H L R E Y

Similarly,

E N Q U I R Y
+1 -2 +3 -4 +5 -6 +7
↓ ↓ ↓ ↓ ↓ ↓ ↓
F L T Q N L F

Hence, code 2 will be the correct answer.



182. The word LOCOMOTIVE has been coded 4 different codes?

Code 1: KMZKHIMAMU
Code 2: MNDNNNUHWD
Code 3: KPBPLPSJUF
Code 4: MQFSRUAEQO

In which of the following code languages the word STATION is written as RUZUHPM.

- (a) Code 2 (b) Code 1
(c) Code 3 (d) Code 4

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (c) : Just as, Similarly, from code (3)-

S $\xrightarrow{-1}$ R	L $\xrightarrow{-1}$ K
T $\xrightarrow{+1}$ U	O $\xrightarrow{+1}$ P
A $\xrightarrow{-1}$ Z	C $\xrightarrow{-1}$ B
T $\xrightarrow{+1}$ U	O $\xrightarrow{+1}$ P
I $\xrightarrow{-1}$ H	M $\xrightarrow{-1}$ L
O $\xrightarrow{+1}$ P	O $\xrightarrow{+1}$ P
N $\xrightarrow{-1}$ M	T $\xrightarrow{-1}$ S
	I $\xrightarrow{+1}$ J
	V $\xrightarrow{-1}$ U
	E $\xrightarrow{+1}$ F

Hence, code 3 has been used write the word STATION as RUZUHPM.

183. If 31 C 19 D 57 = 93 and 52 C 13 D 5 = 20 then 98 C 14 D 11 = ?

- (a) 79 (b) 75
(c) 77 (d) 73

RRB NTPC 15.02.2021 (Shift-II) Stage Ist

Ans. (c) : Just as,

$$31C19D57 = 93$$

$$31 \div 19 \times 57 = 93$$

$$\text{and } 52C13D5 = 20$$

$$52 \div 13 \times 5 = 20$$

Similarly,

$$98C14D11 = ?$$

$$98 \div 14 \times 11 = \frac{98}{14} \times 11 = 77$$

341. Select the number that can replace the question mark (?).

199 = 18, 267 = 19, 456 = 26 then 678 = ?

- (a) 55 (b) 52
(c) 50 (d) 56

RRB NTPC 02.03.2021 (Shift-II) Stage Ist

Ans. (c) : Just as,

$$199 = 1 \times 9 + 9 = 18$$

Same as,

$$267 = 2 \times 6 + 7 = 19$$

$$678 = 6 \times 7 + 8 = 50$$

$$456 = 4 \times 5 + 6 = 26$$

Hence, option (c) is correct.

184. The word RAILWAY is coded in 4 different codes :

Code/ 1: TCKNYCA
Code/ 2: PYGJUYW
Code/ 3: IZRODZB
Code/ 4: SCLPBGF

Which of the following code is used to write BERTH as YVIGS ?

- (a) Code 1 (b) Code 3
(c) Code 2 (d) Code 4

RRB NTPC 12.03.2021 (Shift-I) Stage Ist

Ans. (b) : By using Code 3-

Just as,

Opposite order of alphabet \rightarrow B E R T H
Y V I G S

Similarly,

Opposite order of alphabet \rightarrow R A I L W A Y
I Z R O D Z B

Hence, the word RAILWAY has been written as IZRODZB via code 3.

185. If 'code' = 6241, 'made' = 5346, 'come' = 3124 and 'to' = 27 then 'dome' = ?

- (a) 6134 (b) 5214
(c) 6124 (d) 2634

RRB NTPC 05.04.2016 Shift : III

Ans : (d)

c \triangle o d e \rightarrow 6 2 4 1
[m] a d e \rightarrow 5 [3] 4 6
c \triangle [m] e \rightarrow [3] 1 2 4
t o \rightarrow 2 7

Hence, d \rightarrow 6, o \rightarrow 2, m \rightarrow 3, e \rightarrow 4

\therefore dome = 2634 (All the given number are present in option (d)).

186. In a certain code language 'mine' = 3214, 'talk' = 8756, 'peak' = 8964 and tame = 1654 then 'm' represents?

- (a) 1 (b) 3
(c) 5 (d) 9

RRB NTPC 05.04.2016 Shift-I

Ans. (a) : Given,

m i n e \rightarrow 3 2 1 4
t a l k \rightarrow 8 7 5 6
p e a k \rightarrow 8 9 6 4
t a m e \rightarrow 1 6 5 4

Hence, it is clear that the code of m is 1.



03.

Classification

Type -1 : Classification Based on Words

1. Four abbreviations have been given out of which three are alike in same manner and one is different. Select the odd one.

(a) NTPC (b) CRPF
(c) BHEL (d) SAIL

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (b) : CRPF is a police force where as NTPC, BHEL and SAIL are Maharatna companies. Therefore, option (b) is odd one out.

2. Three pairs are similar in one way and one pair is different from following four pair of terms. Which one is different from other three?

(a) Captain : Team
(b) Boss : Gang
(c) Prime Minister : Cabinet
(d) Artist : Troupe

RRB NTPC 12.04.2016 Shift : I

Ans. (d) Just as, Team's head is called Captain. Gang's head is called Boss. Cabinet's head is called Prime Minister whereas Troupe word is used for group of artist. So, option (d) is different.

3. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Chalk (b) Marker
(c) Book (d) Pen

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (c) : Pen, Marker and Chalk is used for writing, while Book is used for reading. Hence, option (c) is different among all.

4. Four awards have been listed, out of which three are alike in some manner and one is different. Select the odd one.

(a) Padma Vibhushan (b) Padma Bhushan
(c) Param Vir Chakra (d) Padma Shri

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (c) : Param Vir Chakra is the honour given for the extraordinary valor and sacrifice of the soldiers. It was also given to the soldiers posthumously. While, the Padma Vibhushan, Padma Bhushan and Padma Shri awards are given for exceptional and outstanding work in any field.

5. Choose the word that is different from the other three.

(a) Treacherous (b) Devoted
(c) Loyal (d) Faithful

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (a) : Treacherous is a negative emotion word whereas other words are showing positive emotion. Hence, option (a) is different from all other options.

6. Out of the four materials listed. Three are alike in some manner and one is different. Select the odd one.

(a) Silver (b) Gold
(c) Brass (d) Aluminium

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (c) : Brass is an alloy, whereas all other are metals. Hence option (c) is different from all other options.

7. Four instruments have been listed, out of which three are alike in some manner and one is different. Select the odd one :

(a) Tabla (b) Mridangam
(c) Sitar (d) Drums

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (c) : Sitar is a stringed instrument whereas all others are percussion instrument. Hence option (c) is different from all other options.

8. Among the four words listed, three are alike in some manner and one is different. Select the odd one.

(a) Adjective (b) Verb
(c) Noun (d) Sentence

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (d) : Adjective, Verb and Noun are the form of parts of speech whereas a sentence is a combination of all these.

Hence, option (d) is different from other options.

9. Four words have been given, out of which three are alike in some manner and one is different, select the odd one.

(a) Reduce (b) Enhance
(c) Raise (d) Increase

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (a) : In the given alternatives, it is clear from the meaning of the words increase, enhance and raise that they are synonymous with each other whereas reduce is the opposite word of all them. Hence option (a) will be odd.

10. Which of the following is different from the rest?

Venus, Mars, Iapetus, Jupiter

(a) Mars (b) Venus
(c) Iapetus (d) Jupiter

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (c) : Venus, Mars and Jupiter are all planets while Iapetus is a satellite. Hence, option (c) is different from others.



11. Which of the following is not similar to the rest?

Coat, Shirt, Jacket, Sweater

- (a) Jacket (b) Shirt
(c) Sweater (d) Coat

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (b) : Coat, Jackets and Sweaters are all warm clothes while shirts are not.

Hence, option (b) is different from other options.

12. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

- (a) Plough (b) Loom
(c) Tractor (d) Seed Drill

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (b) : Plough, Tractor and Seed Drill are agricultural instrument while, Loom is used for cloth knitting. Hence Loom is different amongst all.

13. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

- (a) Comics (b) Movies
(c) Documentaries (d) Animation

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (a) : Movies, Documentaries and Animation are related to television whereas Comics is related to picture that make a story.

Hence, option (a) is different from other options.

14. Four words have been given out of which three are alike in some manner and one is different. Select the odd one.

- (a) Flute (b) Violin
(c) Saxophone (d) Mouth Organ

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (b) : Flute, Saxophone and Mouth Organ all these are played by mouth whereas Violin is played by hand.

15. Select the option that is different from the rest.

- (a) Tomato (b) Lady finger
(c) Cucumber (d) Cabbage

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Ans. (d) : Tomato, Cucumber and Lady finger are the products of plants while cabbage is a plant in itself.

16. Select the odd pair of words from the following options.

- (a) Depart : Arrive (b) Maximum : Minimum
(c) Hot : Cold (d) Drink : Eat

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (d) : Drink and Eat are synonyms to each other but Depart and Arrive, Maximum and Minimum, Hot and Cold are antonyms to each other.

17. Only one of the following groups of words is related to each other in some consistent manner. Identify the odd one out.

- (a) LEDs, Bulbs, Tubelight
(b) Pencil, Laptop, Geyser
(c) LCD TV, Broom, Hammer
(d) Screwdriver, Eraser, Mobile phone

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (a) : LEDs, Bulbs, Tube light all three are sources of light whereas the group of words given in other options are represent different category.

Hence, option (a) is different from others.

18. Select the option in which the words do not share the same relationship as that shared by the rest.

- (a) Cut : Scratch (b) Punch : Tap
(c) Run : Walk (d) Touch : Push

RRB NTPC 06.04.2021 (Shift-I) Stage Ist

Ans. (d) : Cutting, punching and running are faster activities than scratching, tapping and walking respectively whereas touching is slower activity than pushing.

Hence, option (d) is different from others.

19. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one word.

- (a) Leopard (b) Tiger
(c) Wildcat (d) Fox

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (d) : Tiger, Wildcat and Leopard are species of cat while Fox is species of wild dog. Hence, option (d) is different from all the options.

20. Four natural resources are listed, out of which three are alike in some manner and one is different. Select the odd one.

- (a) Solar (b) Coal
(c) Wind (d) Water

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (b) : Water, Solar and Wind are renewable resources whereas Coal is non-renewable resource.

Hence, option (b) is odd one.

21. Four equipment are listed, out of which three are alike in some manner and one is different. Select the odd one.

- (a) Dropper (b) Beaker
(c) Test tube (d) Compass

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (d) : The relation of Dropper, Beaker and Test tube are the lab equipments used for handling liquids whereas Compass is a direction indicator tool.

Hence, option (d) is odd one.

22. Four publications have been listed, out of which three are alike in some manner and one is different. Select the odd one.

- (a) Hindustan Times (b) The Hindu
(c) India Today (d) Indian Express

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (c) : In the given Publications all are newspaper except option (c). India Today is a news channel.

23. Four words have been listed, out of which three are alike in some manner and one is different. Select the odd one.

- (a) Plan (b) Design
(c) Scheme (d) Instruct

RRB NTPC 12.01.2021 (Shift-II) Stage Ist

Ans. (d) : Plan, Design and Scheme are synonyms to each other whereas Instruct is an inconsistent word.



24. Three of the four rivers given as options share a certain relation while one is different. Select the river which is different from the rest.

(a) Godavari (b) Ganga
(c) Indus (d) Brahmaputra

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (a) : The Indus river, the Ganga river and the Brahmaputra river originated from the Himalayan river systems. Whereas Godavari River is the largest river in Peninsular India. Its source is in Triambakeshwar, Nashik, Maharashtra, 80 km from Arabian Sea.

25. Among the four words listed below, three are alike in some manner and one is different. Select the odd one.

(a) Fear (b) Intelligence
(c) Happiness (d) Anger

RRB NTPC 16.01.2021 (Shift-II) Stage Ist

Ans. (b) : Fear, Happiness and Anger are the feelings of the mind whereas Intelligence is different from all these.

26. Three of the given four terms share a certain relationship whereas one is different. Select the one that is different.

Mike, Loudspeaker, Projector, Amplifier

(a) Loudspeaker (b) Amplifier
(c) Mike (d) Projector

RRB NTPC 29.01.2021 (Shift-I) Stage Ist

Ans. (d) : Mike, Loudspeaker and Amplifier used for recording sounds or for making voice louder, while Projector is a piece of equipment for projecting photographs, movies or computer slides onto a screen.

27. Out of the four words listed below, three are alike and one is different. Select the different one.

Jio, Vodafone, Airtel, Amazon

(a) Airtel (b) Amazon
(c) Jio (d) Vodafone

RRB NTPC 31.01.2021 (Shift-I) Stage Ist

Ans. (b) : Amazon is an online shopping portal while Airtel, Jio and Vodafone are telecom companies. Hence, option (b) is odd.

28. Among the four words listed, three are alike in some manner and one is different. Select the odd one.

Black Pepper, Cardamom, Onion, Clove

(a) Black Pepper (b) Clove
(c) Cardamom (d) Onion

RRB NTPC 31.01.2021 (Shift-I) Stage Ist

Ans. (d) : Onion is a type of vegetable whereas Black Pepper, Clove and Cardamom comes under spices.

29. Among the four words listed, three are alike in some manner and one is different. Select the odd one.

Gratitude, Patience, Honesty, Greed.

(a) Patience (b) Greed
(c) Gratitude (d) Honesty

RRB NTPC 31.01.2021 (Shift-I) Stage Ist

Ans. (b) : Greed is a negative sentiment word while Patience, Gratitude and Honesty all express positive sentiment.

30. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

Pupil, Cochlea, Cornea, Iris

(a) Cochlea (b) Cornea
(c) Iris (d) Pupil

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (a) : Pupil, Cornea and Iris are related to eye but Cochlea is related to ear. So, Cochlea is different from rest.

31. Four word have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Bengaluru (b) Itanagar
(c) Patna (d) Chandigarh

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (d) : Patna, Bengaluru and Itanagar are the capitals of Bihar, Karanataka and Arunachal Pradesh respectively but Chandigarh is a Union Territory. So, Chandigarh is different from rest.

32. Select the option that is different from the rest in a certain way.

(a) Gujarat (b) Surat
(c) Ahmedabad (d) Rajkot

RRB NTPC 27.02.2021 (Shift-I) Stage Ist

Ans. (a) : Surat, Ahmedabad and Rajkot are cities in the state of Gujarat while Gujarat is a state. Hence, option (a) 'Gujarat' is different from the other options.

33. Select the option that is different from the rest in a certain way.

(a) Army (b) Judiciary
(c) Legislature (d) Executive

RRB NTPC 27.02.2021 (Shift-I) Stage Ist

Ans. (a) : Judiciary, Legislature and Executive are the parts of Indian polity while the army is different from them.

34. Select the option that is different from the rest.

(a) Yam (b) Eggplant
(c) Potato (d) Radish

RRB NTPC 04.03.2021 (Shift-II) Stage Ist

Ans. (b) : Eggplant is odd because, Yam, Potato and Radish all grow under the ground but not the Eggplant (brinjal).

35. Select the option that is different from the rest.

(a) Meter Gauge (b) Broad Gauge
(c) Long Gauge (d) Narrow Gauge

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (c) : Long Gauge is different or inconsistent with others while Meter Gauge, Broad Gauge and Narrow Gauge are related to the measurement of railway tracks.



36. Out of the four words listed, three are alike in some manner and one is different select the odd one

(a) India (b) Australia
(c) Africa (d) Europe

RRB NTPC 01.04.2021 (Shift-I) Stage Ist

Ans. (a) : Australia, Africa and Europe are the three continents while India is a country which comes under the continent of Asia.

37. Pick the odd one out.

(a) Nitrogen (b) Oxygen
(c) Iron (d) Fluorine

RRB NTPC 01.04.2021 (Shift-I) Stage Ist

Ans. (c) : Iron is a solid element while Nitrogen, Oxygen and Fluorine are gases.

Hence option (c) is odd.

38. Pick the odd one out:

(a) Kilometer (b) Centimeter
(c) Mile (d) Meter

RRB NTPC 01.04.2021 (Shift-I) Stage Ist

Ans. (c) : Kilometer, Centimeter and Meter are related to each other while Mile is not.

Hence, option (c) is odd.

39. Four words are given, out of which three are alike in some way and one is inconsistent. Select the inconsistent one.

(a) Chair (b) Desk
(c) Table (d) Fan

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (d) : Chair, Desk and Table are furniture related items, whereas a fan is an electronic item.

So the fan is different from the other three.

40. Four words are given, out of which three are related in some way and one is odd. Select the odd one.

(a) Sadness (b) Angry
(c) Thought (d) Fear

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (c) : Sadness, Angry and Fear represents emotions whereas 'Thought' is different from the other three. So, option (c) is odd one.

41. Choose the appropriate option which is different from the others as the others are inter-related.

(a) Border : country (b) Coastline : Sea
(c) Bridge : steel (d) Wall : Room

RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (c) : Countries have borders, seas have coastlines and rooms have walls, whereas bridges and steel have no relation. Hence option (c) is different from the others.

42. Pick the odd one out?

(a) Tiger (b) Cow
(c) Deer (d) Leopard

RRB NTPC 04.01.2021 (Shift-I) Stage Ist

Ans. (b) : 'Cow' is domestic animal while Tiger, Deer and Leopard are wild animals. Hence in the given option 'cow' is odd one.

43. In the given options, select the odd one out?

(a) Plot (b) Dialogue
(c) Script (d) Actor

RRB NTPC 10.01.2021 (Shift-II) Stage Ist

Ans. (d) : Actor is odd, because Plot, Dialogue and Script are represented by Actor.

44. Among the four words given, three are alike in some manner and one is different. Select the odd one.

(a) Companion (b) Rival
(c) Colleague (d) Partner

RRB NTPC 18.01.2021 (Shift-II) Stage Ist

Ans. (b) : In the given words Companion, Colleague and Partner are synonyms whereas Rivals are opposite. Hence, required answer is option (b).

45. Out of the colours listed, three are alike in some manner and one is different, select the odd one.

(a) Red (b) Blue
(c) Yellow (d) Orange

RRB NTPC 19.01.2021 (Shift-I) Stage Ist

Ans. (d) : In given colours Red, Blue and Yellow are primary colours. Whereas, Orange is not primary colour. So it is odd one.

46. Out of the four vegetables listed, three are alike in some manner and one is different. Select the odd one.

(a) Onion (b) Ladyfinger
(c) Cabbage (d) Brinjal

RRB NTPC 25.01.2021 (Shift-II) Stage Ist

Ans. (a) : Out of the four vegetables listed, Onion is different because it is a underground vegetable.

47. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one

(a) Eagle (b) Emu
(c) Sparrow (d) Crow

RRB NTPC 02.03.2021 (Shift-I) Stage Ist

Ans. (b) : Eagle, Sparrow and Crow are flying birds, while 'Emu' is a flightless bird found in Australia.

48. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Sikkim (b) Nepal
(c) Bhutan (d) Tibet

RRB NTPC 02.03.2021 (Shift-II) Stage Ist

Ans. (a) : Sikkim is different because Sikkim is a state in the country of India while Nepal, Bhutan and Tibet are neighbouring countries of India.

49. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Students (b) Principal
(c) Dean (d) Director

RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (a) : Principal, Dean and Director are all three official positions whereas student is different from them.



50. Out of the four words listed, three are alike in some manner and one is different. Select the odd one.

(a) Umpire (b) Pitch
(c) Boundary (d) Ground

RRB NTPC 11.03.2021 (Shift-I) Stage Ist

Ans. (a) : Pitch, Boundary and Ground are the venues related to the game, whereas, the umpire is the main person responsible for decisions of game.

51. Three of the given options are alike in a certain way and so form a group. Which of the four options does NOT belong to the group?

(a) Shipping (b) Cargo
(c) Roadways (d) Railways

RRB NTPC 03.04.2021 (Shift-I) Stage Ist

Ans. (b) : Shipping = Scheme of movement of a vehicle from one place to another.

Cargo = Ship carrying goods

Roadways = place of transport

Railways = Railway station

Hence, option (b) is inconsistent with the others.

52. Four names have been given out of which three are compatible in some way and one is inconsistent. Select an inconsistent name.

(a) Nikola Tesla
(b) Thomas Edison
(c) Christopher Columbus
(d) James Watt

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (c) : From the given option, option (c) is odd because Christopher Columbus was a sailor who discovered America during his sea voyage. Nikola Tesla, Thomas Edison and James Watt are scientist, they are similar.

53. Out of the four words listed, three are alike in some manner and one is different. Select the odd one.

(a) Tendon (b) Nose
(c) Ligament (d) Bone

RRB NTPC 31.07.2021 (Shift-II) Stage Ist

Ans. (b) : Tendon, Ligament and Bone are the internal parts of the body while the Nose is the external part which is different from other.

54. Four animals have been given out of which three are alike in some manner and one is different. Select the odd one.

(a) Goat (b) Dog
(c) Sheep (d) Cow

RRB NTPC 11.01.2021 (Shift-II) Stage Ist

Ans. (b) : Goat, Sheep and Cow are herbivorous animals whereas dog is omnivorous animal.

Hence, option (b) is odd one.

55. Out of the musical instruments listed, three are alike, in some manner and one is different. Select the odd one.

(a) Violin (b) Sitar
(c) Guitar (d) Piano

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question, Piano is a keyboard instrument, while others are string instruments.

56. Four word-pairs have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Sikhism : Shri Guru Nanak Dev Ji
(b) Jainism : Mahavir
(c) Buddhism : Gautam Buddha
(d) Humayun : Mughal

RRB NTPC 28.01.2021 (Shift-I) Stage Ist

Ans. (d) : Options (a), (b) and (c) have religion and their founder name given while option (d) is related to Mughal dynasty.

Therefore, option (d) is odd one.

57. Out of the four sports listed, three are alike in some manner and one is different. Select the odd one.

(a) Hammer Throw (b) Discus Throw
(c) Badminton (d) Shot Put

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (c) : Hammer throw, Discus throw and Shot Put these three games are played by throwing straight hand whereas Badminton Sports are games in which players use a rackets (Badminton).

58. Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Capsicum, Brinjal, Potato, Ladyfinger

(a) Brinjal (b) Ladyfinger
(c) Capsicum (d) Potato

RRB NTPC 30.01.2021 (Shift-II) Stage Ist

Ans. (d) : Capsicum, Brinjal and Ladyfinger grown above the ground while potato is grown underground.

Hence, option (d) is odd one.

59. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

Jaipur, Tinsukia, Dehradun, Kohima

(a) Dehradun (b) Kohima
(c) Jaipur (d) Tinsukia

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (d) : Jaipur, Dehradun, Kohima is capital of Rajasthan, Uttarakhand and Nagaland state respectively. Whereas, Tinsukia is a district of Assam.

Hence, option (d) is odd one.

60. Four animals name have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Lion (b) Leopard
(c) Tiger (d) Fox

RRB NTPC 08.02.2021 (Shift-II) Stage Ist

Ans. (d) : Lion, Leopard and Tiger all three comes under cats like species while Fox is not. Hence, option (d) is odd one.



61. Four options have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Dream (b) Snore
(c) Meditate (d) Sleep

RRB NTPC 10.02.2021 (Shift-I) Stage Ist

Ans. (c) : Dream, Snoring and Sleep are all involuntary actions, whereas Meditation is a voluntary action. Hence, option (c) will be required answer.

62. Four options have been given, out of which three are alike in some manner and one is different. Select the odd one

(a) Diabetes (b) Malaria
(c) Tuberculosis (d) Paracetamol

RRB NTPC 10.02.2021 (Shift-I) Stage Ist

Ans. (d) : Diabetes, Malaria and Tuberculosis are the disease, while paracetamol is the medicine used to treat fever and mild to moderate pain.

63. Pick out the odd pair

(a) Cloth - Apparel (b) Watch - Clock
(c) Ice - Water (d) Milk - Tea

RRB NTPC 12.02.2021 (Shift-I) Stage Ist

Ans. (b) : Cloth is made of Apparel, Water is made of Ice and Tea is made of Milk. All three are same but watch is not related with clock. So option (b) is different.

64. Pick the odd one out:

Satpura, Vindhya, Aravali, Guru Shikhar

(a) Guru Shikhar (b) Satpura
(c) Aravali (d) Vindhya

RRB NTPC 12.02.2021 (Shift-I) Stage Ist

Ans. (a) : Satpura, Vindhya and Aravali are mountain range while Guru Shikhar is highest peak of Aravali range.

So, option (a) is inappropriate.

65. Out of the four organs listed, three are alike in some manner and one is different. Select the odd one.

(a) Liver (b) Kidney
(c) Stomach (d) Large Intestine

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (b) : Liver, Stomach and Large Intestine all are organs of the digestive system, while 'Kidney' is the part of the excretory system.

66. Out of the four words listed, three are alike in some manner and one is different. Select the odd one.

(a) Keyboard (b) Motherboard
(c) Intel (d) Printer

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (c) : Keyboard, Motherboard and Printer are the parts of the computer, whereas Intel is a company. Hence, Intel is different from the other.

67. Select the option that is different from the rest.

(a) Dialogue (b) Bark
(c) Bray (d) Roar

RRB NTPC 08.03.2021 (Shift-I) Stage Ist

Ans. (a) : 'Bark', 'Bray' and 'Roar' all three are related to three animals, whereas 'Dialogue' is related to man.

68. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one?

(a) Speed (b) Brake
(c) Accelerator (d) Clutch

RRB NTPC 09.03.2021 (Shift-I) Stage Ist

Ans. (a) : Brake, Accelerator and Clutch are the part of vehicle, whereas speed is the rate of change of position of vehicle.

So, option (a) are different from others.

69. Four words have been given, Out of which three are alike in some manner and One is odd. Find the odd one.

(a) Elephant (b) Tiger
(c) Wolf (d) Leopard

RRB NTPC 12.03.2021 (Shift-I) Stage Ist

Ans. (a) : Wolf, Tiger and Leopard these three are carnivores, while Elephant is herbivores. Hence, option (a) is odd one.

70. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Advocate (b) Teacher
(c) Inspector (d) Doctor

RRB NTPC 12.03.2021 (Shift-I) Stage Ist

Ans. (c) : In the given options 'Inspector' is different from others because it is post, while Advocate, Teacher and Doctor are profession.

71. Pick the odd one out.

(a) Milkshake (b) Milk Dairy
(c) Chocolate Milk (d) Milk Cake

RRB NTPC 13.03.2021 (Shift-I) Stage Ist

Ans. (b) : Option (b) is different from the other three because rest of the words are formed with the help of milk, whereas milk is collected on dairy.

72. Select the option that is different from the rest.

(a) Missile - Trajectory (b) Scalpel - Surgery
(c) Chisel - Carpentry (d) Needle-Embroidery

RRB NTPC 14.03.2021 (Shift-I) Stage Ist

Ans. (a) : Just as Scalpel is related to the surgery, Chisel is related to the Carpentry and Needle is related to the Embroidery but Missile is not related to trajectory. Hence, option (a) is different, from others.

73. Four ranks have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Brigadier (b) Admiral
(c) Colonel (d) General

RRB NTPC 15.03.2021 (Shift-II) Stage Ist

Ans. (b) : General, Brigadier and Colonel are the post in Army but Admiral is the post in Navy. Hence, option (b) is odd one.



74. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

(a) Goldsmith (b) Doctor
(c) Blacksmith (d) Carpenter

RRB NTPC 21.03.2021 (Shift-II) Stage Ist

Ans. (b) : Except Doctor, all three are specialised with their work. Hence, option (b) is odd one.

75. Out of the four words listed, three are alike in some manner and one is different. Select the odd one.

(a) MA Chidambaram Stadium
(b) Eden Gardens
(c) Salt Lake Stadium
(d) Wankhede Stadium

RRB NTPC 21.03.2021 (Shift-II) Stage Ist

Ans. (c) : Salt Lake Stadium is a football stadium, while Wankhede, Eden Gardens and MA Chidambaram stadiums are cricket stadiums. Hence, option (c) is odd one.

76. Four pairs of words are given, select odd one out.

(a) Angle : Angular (b) Poverty : Poor
(c) Richness : Rich (d) Adversity : Prosperity

RRB NTPC 31.03.2016 Shift : III

Ans. (d) On checking options,

Angle (N) → Angular (Adj)

Poverty (N) → Poor (Adj)

Richness (N) → Rich (Adj)

Adversity (N) → Prosperity (N)

Noun and its adjective are given in all three options while in option (d) the both words are Noun.

77. Three pairs are similar in a certain way and one pair is different from others. Which is different from other three?

(a) Flower : Petal (b) Chair : Leg
(c) Circle : Arc (d) Cover : Surface

RRB NTPC 30.04.2016 Shift : II

Ans. (d) Petal is a part of flower, Leg is a part of chair and Arc is a part of circle, but surface is not related to cover.

Hence, option (d) is odd one.

78. Four pairs of words are given. Select odd one from the following.

(a) White : Ice (b) Red : Blood
(c) Brown : Sky (d) Green : Grass

RRB NTPC 06.04.2016 Shift : I

Ans. (c) Sky colour is blue not brown. So, Brown: Sky is different from all others.

79. From the following four word pairs three are similar in a certain way however one is different from other three. Choose the one which is different from other three.

(a) Mason : Wall (b) Cobbler : Shoes
(c) Farmer : Crop (d) Cook : Chef

RRB NTPC 07.04.2016 Shift : I

Ans. (d) : Cook and Chef are synonyms of each other. Hence, option (d) is different from others.

80. Select odd.

(a) Cocaine (b) Caphin
(c) Nicotine (d) Heroin

RPF Constable 19.01.2019 Shift : I

Ans. (b) : Cocaine, Nicotine and Heroin are intoxicants whereas Caphin is not intoxicant.

Hence, option (b) is odd one.

81. Identify the odd one from the list below.

(a) Stream (b) Bridge
(c) Canal (d) River

RRB NTPC 12.04.2016 Shift : III

Ans. (b) Stream, Canal and River have water except Bridge. Hence, Bridge does not belong to the group.

82. From the following four word pairs three are similar in a certain way however one is different from other three. Choose the one which is different from other three.

(a) Wide : Detailed (b) Light : Heavy
(c) Teeny : Small (d) Big : Vast

RRB NTPC 12.04.2016 Shift : I

Ans. (b) Except the pair of option (b) the words given in all other pairs are synonym of each other.

83. Choose the one which is odd from the following.

(a) Rupee (b) Lira
(c) Coin (d) Dinar

RRB NTPC 16.04.2016 Shift : III

Ans. (c) Coin is different from others because all are currencies of different countries.

Hence option (c) is odd one.

84. Choose the one which is different or odd from the following options.

(a) Lion (b) Tiger
(c) Horse (d) Giraffe

RRB NTPC 16.04.2016 Shift : I

Ans. (c) In the given options Lion, Tiger and Giraffe are wild animals, whereas horse is a domestic animal. So, Horse is different from others.

85. Identify odd one from these.

School, Principal, Teacher, Student

(a) School (b) Teacher
(c) Student (d) Principal

RRB NTPC 18.01.2017 Shift : II

Ans. (a) School is different because Principal, Student and Teacher are related to school.

86. Choose one from the group below that is not the same as the others.

Lizard, Snake, Crocodiles, Reptiles

(a) Snake (b) Lizard
(c) Crocodiles (d) Reptiles

RRB NTPC 18.01.2017 Shift : I

Ans. (d) Snake, Lizard and Crocodile are related to reptiles. Hence, in these four options reptiles are different.



87. Choose the one which is completely different from the following.

Cow, Dinosaur, Lion, Snake, Monkey

- (a) Cow (b) Dinosaur
(c) Snake (d) Monkey

RRB NTPC 28.03.2016 Shift : III

Ans. (b) Apart from dinosaurs, all other organisms are found in our ecological system, whereas dinosaurs is a extinct organism.

88. Four paired words are given below. Find the different pair of these.

- (a) Mercury : Fluid (b) Gunpowder : Solid
(c) Camphor : Gas (d) Helium : Gas

RRB NTPC 31.03.2016 Shift : I

Ans. (c) Camphor is in solid state whereas other options are paired correctly. So, option (c) is different pair of these.

89. Four pair of words given. Select the different from these.

- (a) Circular : Circle
(b) Rectangular : Rectangle
(c) Diagonal : Square
(d) Linear : Line

RRB NTPC 19.0.2016 Shift : I

Ans. (c) : In the given options, 'Circular' shape is called 'circle', 'Rectangular' shape is called 'rectangle' and 'Linear' shape is called 'Line'. Whereas 'diagonal' occurs inside the square. Hence, option (c) is different from all others.

90. Find the odd one with respect to Indian parliament.

- (a) Budget Session (b) Summer Session
(c) Mansoon Session (d) Winter Session

RRB NTPC 05.04.2016 Shift-I

Ans. (b) Generally, there are three sessions of parliament every year.

1. Budget session (February-May)
2. Mansoon session (July-August)
3. Winter session (November-December)

Hence, option (b) summer session is odd one.

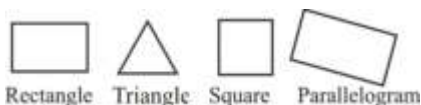
91. Pick the odd one out.

Rectangle, Triangle, Square, Parallelogram

- (a) Rectangle (b) Triangle
(c) Parallelogram (d) Square

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (b) :



Explanation—Rectangle, square and parallelogram have four sides whereas triangle has three sides, so triangle is incompatible/odd in it. Hence, option (b) is correct.

Type -2 : Classification Based on Letters/Numbers/Symbols of the English Alphabet

92. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- (a) KNF (b) UXQ
(c) PSL (d) JMF

RRB NTPC (Stage-II) -17/06/2022 (Shift-III)

Ans. (a) : From options-

- (a) $K \xrightarrow{+3} N \xrightarrow{-8} F$
(b) $U \xrightarrow{+3} X \xrightarrow{-7} Q$
(c) $P \xrightarrow{+3} S \xrightarrow{-7} L$
(d) $J \xrightarrow{+3} M \xrightarrow{-7} F$

Hence, option (a) is odd one.

93. Four letter-clusters have been given out of which three are alike in some manner and one is different. Select the one that is different.

- (a) GEM (b) JHQ
(c) KIQ (d) YWE

RRB NTPC (Stage-II) -15/06/2022 (Shift-III)

Ans. (b) : From options-

- (a) $G \xrightarrow{-2} E \xrightarrow{+8} M$
(b) $J \xrightarrow{-2} H \xrightarrow{+9} Q$ (Different)
(c) $K \xrightarrow{-2} I \xrightarrow{+8} Q$
(d) $Y \xrightarrow{-2} W \xrightarrow{+8} E$

Hence, option (b) is odd one.

94. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- (a) DBI (b) HFM
(c) SQX (d) JGO

RRB NTPC (Stage-II) -17/06/2022 (Shift-I)

Ans. (d) : From options-

- (a) $D \xrightarrow{-2} B \xrightarrow{+7} I$
(b) $H \xrightarrow{-2} F \xrightarrow{+7} M$
(c) $S \xrightarrow{-2} Q \xrightarrow{+7} X$
(d) $J \xrightarrow{-3} G \xrightarrow{+8} O$ (different)

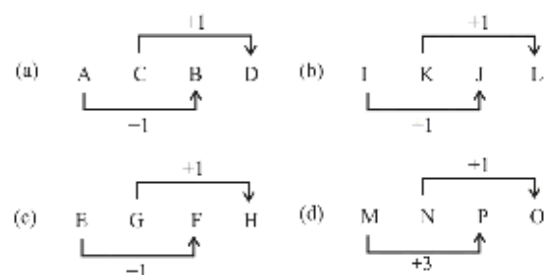
Hence, option (d) is odd one.

95. Four letter clusters have been given, out of which three are alike in some manner and one is different. Select the odd one.

- (a) ACBD (b) IKJL
(c) EGFH (d) MNPO

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (d) : From the options –



Hence, it is clear that option 'd' is different among all.



96. Four letter clusters have been given out of which three are alike in some manner and one is different. Select the odd one –

(a) JMLK (b) VYXW
(c) PSRQ (d) CGEF

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (d) : From the given options,

- (a) $J \xrightarrow{+3} M \xrightarrow{-1} L \xrightarrow{-1} K$
(b) $V \xrightarrow{+3} Y \xrightarrow{-1} X \xrightarrow{-1} W$
(c) $P \xrightarrow{+3} S \xrightarrow{-1} R \xrightarrow{-1} Q$
(d) $C \xrightarrow{+4} G \xrightarrow{-2} E \xrightarrow{+1} F$

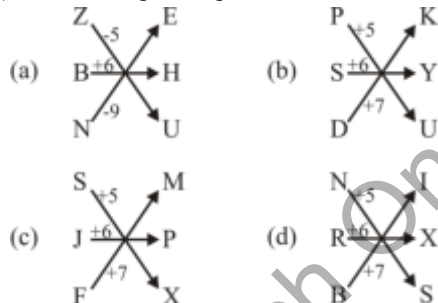
Hence, it is clear that option (d) is different.

97. In the following question, four letter pairs are given. The letters on left side of (–) is related to the letters on the right side of (–) with some Logic/rule/Relation. Three are similar on the basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

(a) ZBN - EHU (b) PSD - KYU
(c) SJF - MPX (d) NRB - IXS

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (a) : From the given options,



Hence, option (a) is different.

98. Out of the four letter-clusters listed, three are alike in some manner and one is different. Select the odd one.

(a) MOQS (b) SUWY
(c) BDFH (d) JLMP

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (d) : From the given options,

- (a): $M \xrightarrow{+2} O \xrightarrow{+2} Q \xrightarrow{+2} S$
(b): $S \xrightarrow{+2} U \xrightarrow{+2} W \xrightarrow{+2} Y$
(c): $B \xrightarrow{+2} D \xrightarrow{+2} F \xrightarrow{+2} H$
(d): $J \xrightarrow{+2} L \xrightarrow{+1} M \xrightarrow{+3} P$

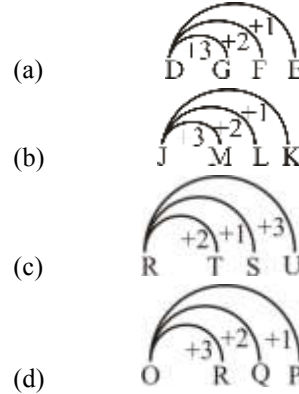
Hence, option (d) is odd one.

99. Select odd one out from the following options.

(a) DGFE (b) JMLK
(c) RTSU (d) ORQP

RRB NTPC 29.04.2016 Shift : I

- Ans. (c) On the checking options,



Hence, option (c) is different.

100. Select odd one out from following options.

(a) RPNL (b) ZXVT
(c) CAWV (d) JHFD

RRB NTPC 28.04.2016 Shift : I

Ans. (c) On the checking options-

- (a) $R \xrightarrow{-2} P \xrightarrow{-2} N \xrightarrow{-2} L$
(b) $Z \xrightarrow{-2} X \xrightarrow{-2} V \xrightarrow{-2} T$
(c) $C \xrightarrow{-2} A \xrightarrow{-4} W \xrightarrow{-1} V$
(d) $J \xrightarrow{-2} H \xrightarrow{-2} F \xrightarrow{-2} D$

So, it is clear that CAWV is different to all these.

101. Select odd one out from following options.

(a) NEXFL (b) ZGPKU
(c) LANCP (d) FRGSP

RRB NTPC 16.04.2016 Shift : II

Ans. (d) Except in option (d), all other options contain vowel letters.

Hence, option(d) is odd one.

102. Select an option which is different from the rest in a certain way.

(a) CEG (b) ACE
(c) IKM (d) OQR

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (d) : From the given options,

- (a) $C \xrightarrow{+2} E \xrightarrow{+2} G$
(b) $A \xrightarrow{+2} C \xrightarrow{+2} E$
(c) $I \xrightarrow{+2} K \xrightarrow{+2} M$
(d) $O \xrightarrow{+2} Q \xrightarrow{+1} R$

Hence, it is clear from the above that option (d) is irrelevant.

103. Four options have been given out of which three are alike in some manner and one is different. Select the odd one

(a) AZBY (b) KPLO
(c) FUGT (d) UVFE

RRB NTPC 03.03.2021 (Shift-I) Stage Ist



Ans. (d) : From the given options,

- (a) $A \rightarrow Z \rightarrow B \rightarrow Y$
 (b) $K \rightarrow P \rightarrow L \rightarrow Q$
 (c) $F \rightarrow U \rightarrow G \rightarrow T$
 (d) $U \rightarrow V \rightarrow F \rightarrow E$
- Both the letters present in the box are opposite letters
- It is not opposite

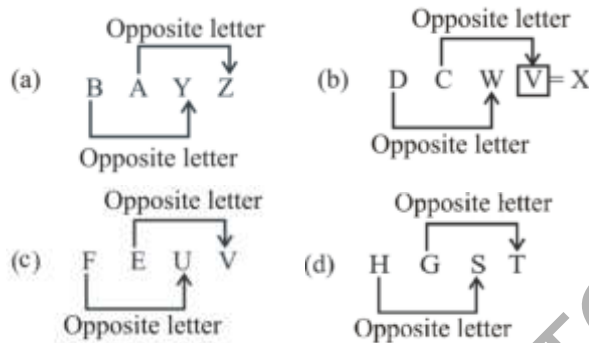
Hence option (d) is odd one.

104. Four letter-cluster have been given, out of which three are alike in some manner and one is different. Select the odd one.

- (a) BAYZ (b) DCWV
 (c) FEUV (d) HGST

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (b) : From the given options –



Hence, It is clear from the given options, option (b) is odd.

105. Three of the following four letter clusters are alike in a certain way and one is different. Pick the odd one out.

- (a) DOS (b) SLO
 (c) REI (d) GQU

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (c) : Except option (c), all other options have the one vowel but in option (c) there is two vowel.

Hence, option (c) is different from others.

106. Out of the four letter-clusters listed, three are alike in some manner one is different. Select the odd one.

- (a) QSU (b) XZC
 (c) CEH (d) JLO

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (a) : From given option -

- (a) $Q \xrightarrow{+2} S \xrightarrow{+2} U$
 (b) $X \xrightarrow{+2} Z \xrightarrow{+3} C$
 (c) $C \xrightarrow{+2} E \xrightarrow{+3} H$
 (d) $J \xrightarrow{+2} L \xrightarrow{+3} O$

Hence odd letter group = QSU

107. Out of the four letter-clusters listed, three are alike in some manner and one is different. Select the odd one.

- (a) QA (b) GD
 (c) NK (d) XU

RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (a) : From the given option-

- (a) $Q \xrightarrow{-16} A$
 (b) $G \xrightarrow{-3} D$
 (c) $N \xrightarrow{-3} K$
 (d) $X \xrightarrow{-3} U$

It is clear that option (a) is odd.

108. Four alphanumeric-clusters have been given, out of which three are alike in some manner and one is different. Select the odd one.

- (a) U21 (b) A12
 (c) P16 (d) M13

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (b) : In the given question, the letters of alternatives (a), (c) and (d) are shown with alphabetical order. Whereas in option (b) 12 is not a alphabetical order of A.

Hence, option (b) is odd one.

109. Four sets of letters are given out of which three are alike in some way and one is inconsistent. Select the incompatible.

- (a) BYXC (b) SHGT
 (c) HRSI (d) LONM

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (c) : In given options, option (c) is odd because

$H \rightarrow R$ (not opposite)

$S \rightarrow I$ (not opposite)

Whereas,

$B \rightarrow Y, X \rightarrow C, S \rightarrow H, G \rightarrow T, L \rightarrow O, N \rightarrow M$

All are the opposite except option (c).

110. Out of the four letter-clusters listed, three are alike in some manner and one is different. Select the odd one.

- (a) DGE (b) QTA
 (c) HJK (d) WZI

RRB NTPC 08.04.2021 (Shift-II) Stage Ist

Ans. (c) : In option (a), (b), (d) given each word group have one vowel. Whereas in option (c) there is no vowel. Hence, option (c) is odd one.

111. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

- (a) NPR (b) KMO
 (c) CEG (d) RSU

RRB NTPC 12.03.2021 (Shift-I) Stage Ist



Ans. (d) : From the given options,

$$(a) N \xrightarrow{+2} P \xrightarrow{+2} R$$

$$(b) K \xrightarrow{+2} M \xrightarrow{+2} O$$

$$(c) C \xrightarrow{+2} E \xrightarrow{+2} G$$

$$(d) R \xrightarrow{+1} S \xrightarrow{+2} U$$

Hence, the word given in option (d) is odd one.

112. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

(a) MKF

(b) RPL

(c) QOK

(d) WUQ

RRB NTPC 31.07.2021 (Shift-I) Stage Ist

Ans. (a) : From the given options,

$$(a) M \xrightarrow{-2} K \xrightarrow{-5} F$$

$$(b) R \xrightarrow{-2} P \xrightarrow{-4} L$$

$$(c) Q \xrightarrow{-2} O \xrightarrow{-4} K$$

$$(d) W \xrightarrow{-2} U \xrightarrow{-4} Q$$

Hence, option (a) is different from the other.

Type -3 : Classification Based on Number/Number Pair

113. In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

(a) 21 : 420

(b) 15 : 208

(c) 17 : 272

(d) 25 : 600

RRB NTPC (Stage-II) -12/06/2022 Shift-I

Ans. (b) : From the given options,

(a) 21 : 420

$$\Rightarrow 21^2 - 21 \Rightarrow 441 - 21 = 420$$

(b) 15 : 208

$$\Rightarrow 15^2 - 15 \Rightarrow 225 - 15 = 210 \neq 208$$

(c) 17 : 272

$$\Rightarrow 17^2 - 17 \Rightarrow 289 - 17 = 272$$

(d) 25 : 600

$$\Rightarrow 25^2 - 25 \Rightarrow 625 - 25 = 600$$

Hence, option (b) is different from others.

114. In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

(a) 14 : 198

(b) 18 : 325

(c) 22 : 485

(d) 20 : 401

RRB NTPC (Stage-II) -12/06/2022 (Shift-II)

Ans. (a) : From the given options,

$$(a) (14)^2 + 1 = 197 \neq 198$$

$$(b) (18)^2 + 1 = 325$$

$$(c) (22)^2 + 1 = 485$$

$$(d) (20)^2 + 1 = 401$$

Hence, option (a) is odd one.

115. In each of the number-pair, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

(a) 22 : 133

(b) 14 : 85

(c) 16 : 97

(d) 18 : 107

RRB NTPC (Stage-II) -13/06/2022 (Shift-I)

Ans. (d) : From options-

$$(a) 22 \times 6 + 1 = 133$$

$$(b) 14 \times 6 + 1 = 85$$

$$(c) 16 \times 6 + 1 = 97$$

$$(d) 18 \times 6 + 1 = 109 \neq 107$$

Hence, option (d) is different from other options.

116. The second number in each of the number-pairs is obtained by performing certain mathematical operation on the first number. Three of the following four number-pairs follows the same pattern and thus form a group. Select the number-pairs that do NOT belong to that group.

(a) 18 : 321

(b) 21 : 438

(c) 19 : 357

(d) 17 : 286

RRB NTPC (Stage-II) -14/06/2022 (Shift-I)

Ans. (c) : From options-

$$(a) 18 : 321 \rightarrow (18)^2 - 3 = 321$$

$$(b) 21 : 438 \rightarrow (21)^2 - 3 = 438$$

$$(c) 19 : 357 \rightarrow (19)^2 - 4 = 357 \quad (\text{odd one})$$

$$(d) 17 : 286 \rightarrow (17)^2 - 3 = 286$$

Hence, option (c) is odd one.

117. The second number in each of the number-pairs is obtained by performing certain mathematical operations on the first number. Three of the following four number-pairs follow pattern and thus form a group. Select the number-pair that does NOT belong to that group.

(a) 14 : 197

(b) 19 : 363

(c) 17 : 290

(d) 13 : 170

RRB NTPC (Stage-II) -14/06/2022 (Shift-II)

Ans. (b) : From options-

$$(a) \begin{array}{l} 14 : 197 \\ \downarrow \quad \uparrow \\ (14)^2 + 1 \end{array}$$

$$(b) \begin{array}{l} 19 : 363 \\ \downarrow \quad \uparrow \\ (19)^2 + 2 \end{array} \quad (\text{Odd})$$

$$(c) \begin{array}{l} 17 : 290 \\ \downarrow \quad \uparrow \\ (17)^2 + 1 \end{array}$$

$$(d) \begin{array}{l} 13 : 170 \\ \downarrow \quad \uparrow \\ (13)^2 + 1 \end{array}$$

Hence, option (b) is odd one.



118. In the following number-pairs the second number is obtained by applying certain mathematical operations to the first number. In three of the four pairs the same pattern is applied and hence they form a group. Select the number-pair that does NOT belong to this group.

- (a) 24,590 (b) 19,375
(c) 17,303 (d) 8,82

RRB NTPC (Stage-II) -15/06/2022 (Shift-III)

Ans. (d) : From the given options,



Hence, option (d) is different from the others.

119. Choose the number - pair that is different from the other three.

- (a) 0 : 6 (b) 21 : 46
(c) 12 : 28 (d) 5 : 14

RRB NTPC 27.01.2021 (Shift-II) Stage Ist

Ans. (a) : From the given options,

- (a) $0 : 6 = 0 \times 2 + 4 = 4 \neq 6$ is not compatible
(b) $21 : 46 = 21 \times 2 + 4 = 46$ is compatible
(c) $12 : 28 = 12 \times 2 + 4 = 28$ is compatible
(d) $5 : 14 = 5 \times 2 + 4 = 14$ is compatible

Hence, option(a) is different from others.

120. Choose the number - pair that is different from the other three.

- (a) 65 : 16 (b) 49 : 12
(c) 62 : 15 (d) 33 : 8

RRB NTPC 27.01.2021 (Shift-II) Stage Ist

Ans. (c) : From the given options,

- (a) $65 : 16 \Rightarrow 16 \times 4 + 1 = 65$
(b) $49 : 12 \Rightarrow 12 \times 4 + 1 = 49$
(c) $62 : 15 \Rightarrow 15 \times 4 + 2 = 62$
(d) $33 : 8 \Rightarrow 8 \times 4 + 1 = 33$

It is clear from the above that option (c) is different from other three options.

121. Four numbers have been given, out of which three are alike in some manner and one is different. Select the odd one number.

- (a) 39 (b) 35
(c) 37 (d) 41

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (d) : From the given options –

- (a) $39 = 3+9 = 12$
(b) $35 = 3+5 = 8$
(c) $37 = 3+7 = 10$
(d) $41 = 4+1 = 5$

It is clear from the above that option (d) is different.

Note:- For this question, discrepancy is found in question/answer. So, this question is ignored for all candidates.

122. Four options are given below, out of which three are alike in same manner while one is different. Find the odd one.

- (a) $\sqrt{3}$ (b) $\sqrt{5}$
(c) $\sqrt{7}$ (d) $\sqrt{9}$

RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (d) : From the given options,

- (a) $\sqrt{3} = 1.732$ = irrational number
(b) $\sqrt{5} = 2.236$ = irrational number
(c) $\sqrt{7} = 2.645$ = irrational number
(d) $\sqrt{9} = 3.0$ = rational number

Hence, $\sqrt{9}$ is different from all.

123. Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

- (a) 11 : 13 (b) 17 : 19
(c) 12 : 15 (d) 21 : 23

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (c) : From the given options,

- (a) $11+13=24$ (Even)
(b) $17+19=36$ (Even)
(c) $12+15=27$ (Odd)
(d) $21+23=44$ (Even)

Hence, it is clear that option (c) is different from the rest.

124. Among the four numerical expression given below, three are alike in some manner and one is different. Select the odd one.

- (a) $5 \ 4 \ 2 \ 5 = 51$ (b) $6 \ 5 \ 8 \ 9 = 28$
(c) $8 \ 4 \ 3 \ 7 = 22$ (d) $7 \ 4 \ 9 \ 3 = 23$

RRB NTPC 16.01.2021 (Shift-II) Stage Ist

Ans. (a) : From questions,

- (a) $5 + 4 + 2 + 5 = 16 \neq 51$
(b) $6 + 5 + 8 + 9 = 28$
(c) $8 + 4 + 3 + 7 = 22$
(d) $7 + 4 + 9 + 3 = 23$

Hence, option (a) is inconsistent with the others.

125. Three of the following four numbers pairs are alike in a certain way and one is different. Pick the odd one out,

- (a) 5 - 31 (b) 10 - 101
(c) 3 - 10 (d) 7 - 50

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (a) : From the given options,

- (a) $5 - 31 \Rightarrow 5^2 + 6 = 31$
(b) $10 - 101 \Rightarrow 10^2 + 1 = 101$
(c) $3 - 10 \Rightarrow 3^2 + 1 = 10$
(d) $7 - 50 \Rightarrow 7^2 + 1 = 50$

It is clear that option (a) is irrelevant from other three options.



126. Pick the odd one out.

3-6, 4-8, 6-18, 8-32, 10-50

- (a) 8-32 (b) 6-18
(c) 4-8 (d) 3-6

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (d) : From the given options,

- (a) $32 - 8 = 24$ (Even)
(b) $18 - 6 = 12$ (Even)
(c) $8 - 4 = 4$ (Even)
(d) $6 - 3 = 3$ (Odd)

The difference of all the digits is an even number whereas the difference of 3-6 is odd number.

127. Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the odd one.

- (a) 12 - 96 (b) 16 - 118
(c) 13 - 104 (d) 15 - 120

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (b) : In the given options (a), (c) and (d) the second number is divisible by the first number. But in option (b) the second number is not perfectly divisible by the first. Hence, option (b) is different among all.

128. Four options have been given out of which three are alike in some manner and one is different. Select the odd one -

- (a) (42, 15) (b) (51, 24)
(c) (32, 13) (d) (72, 45)

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (c) : From the given options,

- (a) (42, 15) \Rightarrow is divisible by 3
(b) (51, 24) \Rightarrow is divisible by 3
(c) (32, 13) \Rightarrow is co-prime number
(d) (72, 45) \Rightarrow is divisible by 3

Hence, option (c) is inconsistent with the others.

129. Four years have been given out of which three are alike in some manner and one is different. Select the one that is different from the rest :

- (a) 2001 (b) 2003
(c) 2004 (d) 2002

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (c) : 2004 is the leap year whereas all others are normal years.

130. Four number pairs have been given, out of which three are alike in some manner and one is different. Select the number pair that is different from the rest.

- (a) 19 : 361 (b) 23 : 539
(c) 28 : 784 (d) 17 : 289

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (b) : From the options,

$$\begin{array}{cc} \text{(a) } 19 : 361 & \text{(b) } 23 : 539 \\ \begin{array}{c} \text{ } \nearrow \text{ } \\ 19^2 = 361 \end{array} & \begin{array}{c} \text{ } \nearrow \text{ } \\ 23^2 = 529 \neq 539 \end{array} \end{array}$$

$$\begin{array}{cc} \text{(c) } 28 : 784 & \text{(d) } 17 : 289 \\ \begin{array}{c} \text{ } \nearrow \text{ } \\ 28^2 = 784 \end{array} & \begin{array}{c} \text{ } \nearrow \text{ } \\ 17^2 = 289 \end{array} \end{array}$$

\therefore Option (b) is odd.

131. Four number clusters have been given out of which three are alike in some manner and one is different. Select the number clusters that is different from the rest.

- (a) 2336 (b) 1236
(c) 1113 (d) 2439

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (a) : The numbers given in options (b), (c) and (d) are divisible by 3 while the numbers given in option (a) is not divisible by 3.

Hence, option (a) is different from others.

132. Four numbers have been given, out of which three are alike in some manner and one is different. Select the number that is different from the rest.

- (a) 416 (b) 749
(c) 463 (d) 864

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (c) : From the given options,

$$\begin{array}{cc} \text{(a) } \begin{array}{c} 4 \ 1 \ 6 \\ \text{ } \nearrow \text{ } \\ 4^2 = 16 \end{array} & \text{(c) } \begin{array}{c} 4 \ 6 \ 3 \\ \text{ } \nearrow \text{ } \\ 4^2 = 16 \end{array} \boxed{63} \\ \text{(b) } \begin{array}{c} 7 \ 4 \ 9 \\ \text{ } \nearrow \text{ } \\ 7^2 = 49 \end{array} & \text{(d) } \begin{array}{c} 8 \ 6 \ 4 \\ \text{ } \nearrow \text{ } \\ 8^2 = 64 \end{array} \end{array}$$

Hence, option (c) is odd one.

133. Select that number which is different from given other numbers.

157, 571, 599, 387

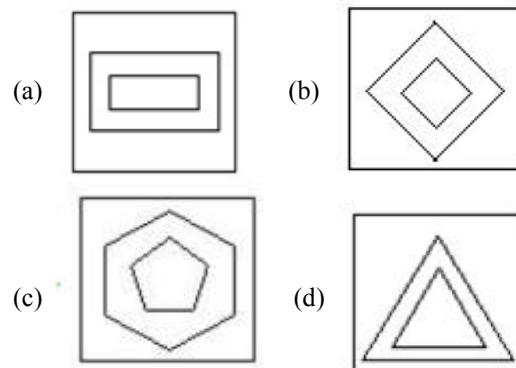
- (a) 571 (b) 157
(c) 599 (d) 387

RRB NTPC 18.01.2017 Shift : I

Ans. (d) In the given number only 387 is divisible by 3. Hence 387 is different from others.

Type -4 : Classification Based on Figures

134. Four figures have been given, out of which three are alike in some manner and one is different. Select the figure that is different.

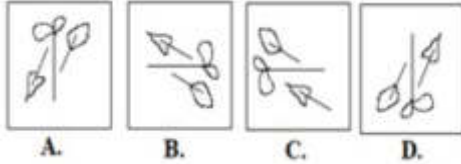


RRB NTPC 31.07.2021 (Shift-I) Stage Ist

Ans. (c) : It is clear from the given diagrams that option (c) is different from the other.



135. Four figures have been given, out of which three are alike in some manner and one is different. Select the odd one.

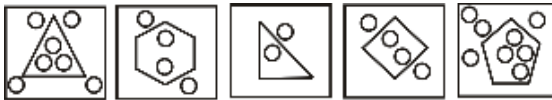


- (a) C (b) A
(c) D (d) B

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (a) : Figure 'C' is different from other figures. So option (a) is correct.

136. Out of the four figures listed in the options, one is different from the others in some manner. Select the odd one out.

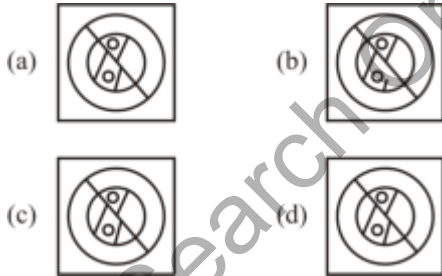


- Figure A Figure B Figure C Figure D Figure E
(a) Figure A (b) Figure C
(c) Figure B (d) Figure E

RRB NTPC 01.03.2021 (Shift-I) Stage Ist

Ans. (a) : In the given figures, option figure (A) is different from others as many circles are located inside the figure as equal number of circles are located outside the figure. Hence, option (a) is correct.

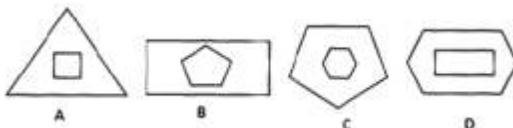
137. Four figures have been given, out of which three are alike and one is different. Select the odd one.



RRB NTPC 07.04.2021 (Shift-I) Stage Ist

Ans. (b) : In the given diagrams, three figures are same except in figure option (b). Hence, it is clear that option (b) is odd one.

138. Among the four figures listed, three of them follow a common rule and one does not. Select the odd one.



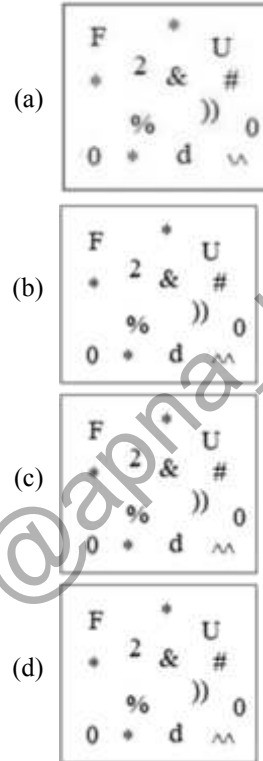
- (a) A (b) B
(c) C (d) D

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (d) : In the given figures in options (a) (b), and (c) the number of sides in outer figure is one less than the number of sides in inner figure, while in option (d) figure do not follow the common rule.

Hence, option (d) is odd one.

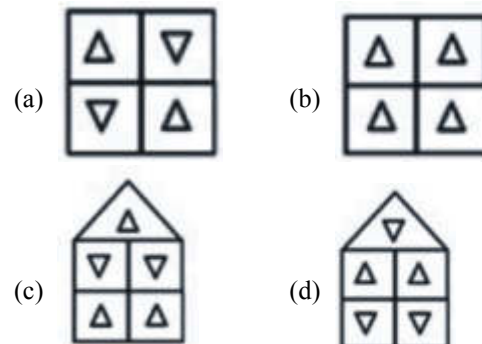
139. Four figures have been given, out of which three are alike in some manner and one is different. Select the odd figure.



RRB NTPC 08.02.2021 (Shift-II) Stage Ist

Ans. (a) : In the given figures, option (a) is different from the other. (wavy line) is located in the figure (a), while (F) is located in the other three figures.

140. Three of the following figures are alike in a certain way and one is different. Which one is different?



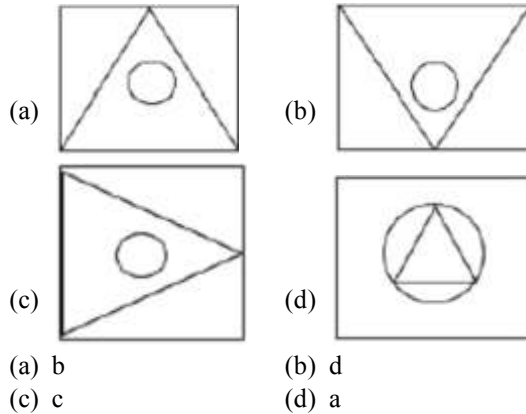
RRB NTPC 22.02.2021 (Shift-I) Stage Ist

Ans. (b) : In figure (b) all the Δ signs are in the same direction, while it is not in the other figures given in the options.

Hence, the figure given in option (b) is different from others.



141. Four figures have been given, out of which three are alike in some manner and one is different. Select the odd one.



RRB NTPC 08.01.2021 (Shift-I) Stage Ist

Ans. (b) : It is clear from the above question figures, that figure (a), (b) & (c) are similar to each other in which the circle is inside the triangle, while in figure (d), the triangle is inside the circle. Hence, option (b) is different From others.

142. Choose the figure that is different from the others.



RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (c) : In option figure (c), on the place of multiply signs, addition sign is given whereas in the other figures all four sign are same.

143. Four figures have been given, out of which three are alike in some manner and one is different. Select the odd one.

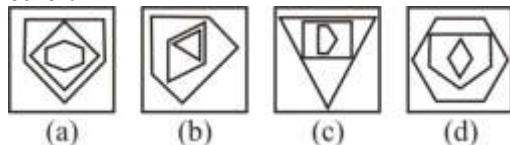


- (a) Figure 2 (b) Figure 3
(c) Figure 4 (d) Figure 1

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (b) : Fig. 1, 2 and 4, have even no. of letters in each line while fig (3) doesn't holds so. Hence, fig (3) is different amongst all.

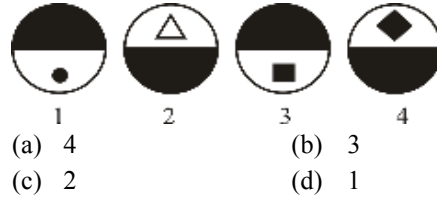
144. Select the figure that different from there other.



RRB NTPC 30.04.2016 Shift : II

Ans. (a) Except figure (a), all other figure have shapes in chronological difference while figure (a) has a pentagon, quadrilateral and hexagon inside it.

145. Identify different figure from following.



RRB NTPC 07.04.2016 Shift : II

Ans. (c) In figure (2) the triangle inside the circle is not shaded while in the other option the shape formed inside the circle is shaded. Hence, option (c) is correct.

146. Find the odd one out.

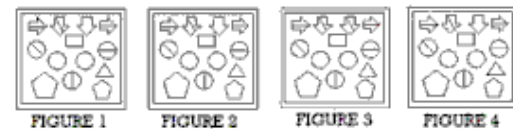


- A. iii B. ii
C. i D. iv
(a) A (b) B
(c) C (d) D

RRB NTPC 11.04.2016 Shift : II

Ans. (d) Except in figure (iv) all other have as many digits written as their sides, while figure (iv) has five sides and 6 is written. Hence, it is odd one.

147. Which of the following figures is different from the rest?

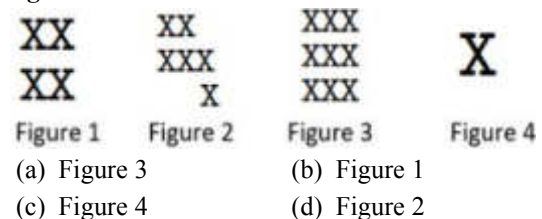


- (a) Figure-2 (b) Figure-4
(c) Figure-1 (d) Figure-3

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (d) : In the given figures, the patterns of figure (1), (2) & (4) are all same while in the third figure the third pattern of the first line makes it different from all. Hence, the third figure is different from all.

148. Three of the following four figures are similar in a certain way and one is different. Select the figure that is different.



RRB NTPC 04.03.2021 (Shift-II) Stage Ist

Ans. (c) : In the given figures, option figure (4) is different because all others figure are made of group of letter x.



149. There of the following four figures three are similar in a certain way and one is different. Select the figure that is different from the rest.

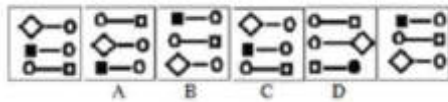


- (a) Figure 4 (b) Figure 3
(c) Figure 2 (d) Figure 1

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (a) : Except in figure 4, the letters in all other figures are rotated 90° clockwise while the letter in figure (4) is rotated 90° anti-clockwise. Hence, figure (4) is inconsistent with the others.

150. The following six figures from a logical series, but of the A,B, C and D is wrong figure in the series. Identify the wrong figure.



- (a) D (b) B
(c) C (d) A

RRB NTPC 24.07.2021 (Shift-I) Stage Ist

Ans. (a) : In the given figure series, figure D is wrong because in figure D the given pattern 'O' is shaded whereas the pattern of other figure is blank.

Hence, option (a) is correct answer.

Type -5 : Miscellaneous

151. The second alphanumeric-cluster is obtained by changing the first alphanumeric-cluster following a certain operation and logic. The same pattern is followed in three of the following four pairs. In which of the following pairs is the pattern NOT followed?

- (a) DL5:HP25 (b) LR9:PU55
(c) PJ3:TN15 (d) HP7:LT35

RRB NTPC (Stage-II) -16/06/2022 (Shift-III)

Ans. (b) : From options-

(a)

$$\begin{array}{ccc} D & L & 5 \\ \downarrow +4 & \downarrow +4 & \downarrow \times 5 \\ H & P & 25 \end{array}$$

(b)

$$\begin{array}{ccc} L & R & 9 \\ \downarrow +4 & \downarrow +3 & \downarrow \times 6 + 1 \\ P & U & 55 \end{array}$$

(c)

$$\begin{array}{ccc} P & J & 3 \\ \downarrow +4 & \downarrow +4 & \downarrow \times 5 \\ T & N & 15 \end{array}$$

(d)

$$\begin{array}{ccc} H & P & 7 \\ \downarrow +4 & \downarrow +4 & \downarrow \times 5 \\ L & T & 35 \end{array}$$

Hence option (b) is different from the others.

152. Rearrange the cluttered letters to form a meaningful word and find the odd one out.

- (a) LOWELY (b) IFER
(c) THIWE (d) WRONB

RRB NTPC 06.04.2016 Shift : 1

Ans. (b) On arranging the the given words is as follows-

- (a) LOWELY → YELLOW
(b) IFER → FIRE
(c) THIWE → WHITE
(d) WRONB → BROWN

Except of FIRE, all others are colours name.

Hence, option (b) is odd one.

153. Rearrange the cluttered letters to form a meaningful word and find the odd one out.

- (a) ROUWBR (b) EDN
(c) ORFO (d) ETNS

RRB NTPC 16.04.2016 Shift : III

Ans. (c) On putting in systematic order-

- (a) ROUWBR – BURROW
(b) EDN – DEN
(c) ORFO – ROOF
(d) ETNS – NEST

Except ROOF, all are the places to live birds and animals.

Hence, option (c) is odd one.

154. Rearrange the cluttered letters to form a meaningful word and find the odd one out.

- (a) ELMSL (b) ERHA
(c) IKNTH (d) SAETE

RRB NTPC 16.04.2016 Shift : I

Ans. (d) On rearranging letters to their systematic order

- (a) ELMSL ⇒ SMELL
(b) ERHA ⇒ HEAR
(c) IKNTH ⇒ THINK
(d) SAETE ⇒ TEASE

Option (d) is different from all others in four options because all other are personal activity of person whereas tease is action of any other reaction.

155. Rearrange the cluttered letters to form a meaningful word and find the odd one out.

- (a) OLENV (b) EISTSH
(c) AGZEANIM (d) TCAYRIDION

RRB NTPC 18.04.2016 Shift : II

Ans. (b) On rearranging the letters,

- (a) OLENV ⇒ NOVEL
(b) EISTSH ⇒ THESIS
(c) AGZEANIM ⇒ MAGAZINE
(d) TCAYRIDION ⇒ DICTIONARY

Except option (b) all others is general printed material that is sold in the market while thesis is written by students. Hence, option (b) is odd one.



156. Rearrange the cluttered letters in their natural sequence and find the odd one out.

- (a) LAFC (b) UKCGIDLN
(c) RILNIGHE (d) BCU

RRB NTPC 18.04.2016 Shift : I

Ans. (c) On rearranging letters,

- (a) LAFC ⇒ CALF
(b) UKCGIDLN ⇒ DUCKLING
(c) RILNIGHE ⇒ HIRELING
(d) BCU ⇒ CUB

It is clear that except option (c) all other is equal because all are babies of animals.

157. Rearrange the cluttered letters to form a meaningful word and find the odd one out.

- (a) EVCOL (b) LCIYHL
(c) HLTCO (d) MIUNC

RRB NTPC 18.01.2017 Shift : I

Ans. (c) : Jumbled Rearrange

- (a) EVCOL ⇒ CLOVE
(b) LCIYHL ⇒ CHILLI
(c) MIUNC ⇒ CUMIN
(d) HLTCO ⇒ CLOTH

Clove, Chilli and Cumin are comes under spices whereas cloth is different from these.

158. Rearrange the cluttered letters to make meaningful words and then select one which is different from then.

- (a) RESUAQ (b) IRLCEC
(c) INTOP (d) GOHEXAN

RPF Constable 22.01.2019 Shift : I

Ans. (c) Following meaningful words will be formed when the letters are arranged in order.

- (a) RESUAQ → SQUARE
(b) IRLCEC → CIRCLE
(c) INTOP → POINT
(d) GOHEXAN → HEXAGON

∴ All others, except POINT, form a common group, which are geometric figures that surrounded the space, whereas POINT is a geometric shape that does not surround the space. Hence, POINT is different from all others.

159. Rearrange the cluttered letters in such a way as to make a meaningful English word and the choose an option which is different from others.

- (a) CHIN (b) TILER
(c) EEFT (d) TERME

RRB NTPC 30.03.2016 Shift : II

Ans. (b) On arranging the given letters to make a meaningful word-

- (a) CHIN → INCH
(b) TILER → LITRE
(c) EEFT → FEET
(d) TERME → METRE

In the above given terms, 'inch', 'feet' and 'metre' are units of the lengths, while 'litre' is the unit of volume. Hence, option (b) is different from the others.

160. Rearrange the cluttered letters to make a meaningful words and then select one which is different from then.

- (a) ANDOMY (b) STEAUDY
(c) DIARFY (d) DHAILOY

RRB NTPC 31.03.2016 Shift : III

Ans. (d) On arranging the given letters to make a meaningful word-

- (a) A N D O M Y → M O N D A Y
(b) S T E A U D Y → T U E S D A Y
(c) D I A R F Y → F R I D A Y
(d) D H A I O L Y → H O L I D A Y

Hence, the arrangement of letters of all words except DHAILOY is the name of the days of the week.

Hence, option (d) is odd one.

161. Rearrange the cluttered letters to make meaningful words and then select one which is different from then.

- (a) OENS (b) KWLA
(c) ALIN (d) EDAH

RRB NTPC 31.03.2016 Shift : II

Ans. (b) On arranging the given letters to make a meaningful word-

- (a) OENS → NOSE
(b) KWLA → WALK
(c) ALIN → NAIL
(d) EDAH → HEAD

Nose, Nails, Head are the names of a body parts while WALK, is different which is an activity.

Hence, option (b) is odd one.

162. Rearrange the cluttered letters in such a way as to make a meaningful English word and choose an option which is different from others.

- (a) ARTHE (b) VIERR
(c) KEYDIN (d) UGLN

RRB NTPC 31.03.2016 Shift : I

Ans. (b) On arranging the given letters to make a meaningful word-

- (a) ARTHE → HEART
(b) VIERR → RIVER
(c) KEYDIN → KIDNEY
(d) UGLN → LUNG

So, Heart, Kidney, Lung are interior body parts while RIVER is different from them.

163. To make a meaningful word, rearrange the cluttered words and then find out which of them is different from others.

- (a) GITER (b) TEACHHE
(c) THPERAN (d) REDE

RRB NTPC 05.04.2016 Shift : II

Ans. (d) On arranging the given letters to make a meaningful word-

- (a) GITER → TIGER
(b) TEACHHE → CHEETAH
(c) THPERAN → PANTHER
(d) REDE → DEER

So, Tiger, Cheetah and Panther are carnivorous animal, while the Deer is a herbivorous animal. Hence, option (d) is different.



04.

Series

Type -1 : Series Based on Numbers

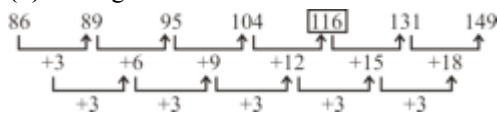
1. Select the number from among the given options that can replace the question mark (?) in the following series.

86, 89, 95, 104, ?, 131, 149

- (a) 114 (b) 116
(c) 113 (d) 122

RRB NTPC (Stage-II) -12/06/2022 Shift-I

Ans. (b) : The given series is as follows-



Hence, option (b) is correct.

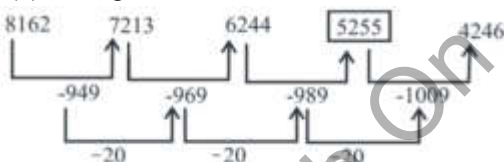
2. Select the number from among the given options that can replace the question mark (?) in the following series.

8162, 7213, 6244, ?, 4246

- (a) 5552 (b) 5255
(c) 2555 (d) 5525

RRB NTPC (Stage-II) -12/06/2022 (Shift-II)

Ans. (b) : The given series is as follows-



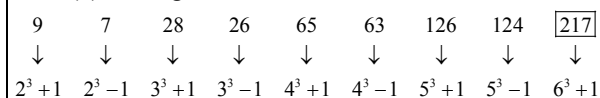
3. Select the number from among the given options that can replace the question mark (?) in the following series.

9, 7, 28, 26, 65, 63, 126, 124, ?

- (a) 217 (b) 215
(c) 137 (d) 136

RRB NTPC (Stage-II) -13/06/2022 (Shift-I)

Ans. (a) : The given series is as follows-



Hence, option (a) is the right answer.

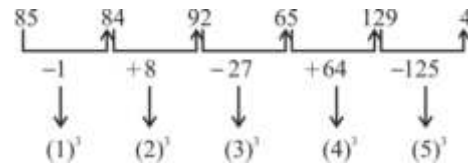
4. Select the number from among the given options that can replace the question mark (?) in the following series.

85, 84, 92, 65, 129, ?

- (a) 258 (b) 329
(c) 177 (d) 4

RRB NTPC (Stage-II) -13/06/2022 (Shift-II)

Ans. (d) : The given number series is as follows-

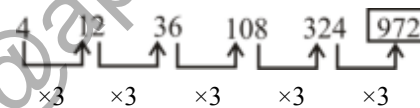


Hence, ? = 4

5. First four terms of a series are 4, 12, 36, 108. What will be the 6th term of this series?

- (a) 624 (b) 972
(c) 2916 (d) 324

RRB NTPC (Stage-II) -14/06/2022 (Shift-I)

Ans. (b) : According to the question 6th term of the series-Hence, 6th term = 972

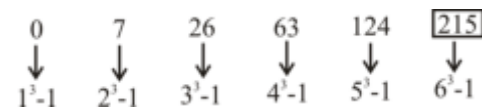
6. Select the number from the option that can replace the question mark (?) and complete the given series,

0, 7, 26, 63, 124, ?

- (a) 214 (b) 212
(c) 213 (d) 215

RRB NTPC (Stage-II) -14/06/2022 (Shift-I)

Ans. (d) : The given series is as follows-



Hence, ? = 215

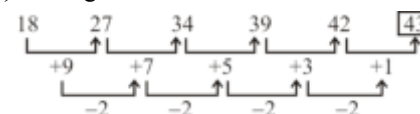
7. Select the number from among the given options the can replace the question mark (?) in the following series.

18, 27, 34, 39, 42, ?

- (a) 45 (b) 43
(c) 42 (d) 44

RRB NTPC (Stage-II) -14/06/2022 (Shift-I)

Ans. (b) : The given series is as follows-



Hence, option (b) is the right answer.



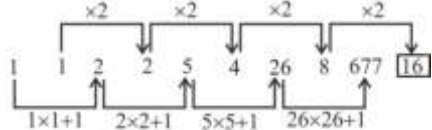
8. Select the number from among the given options that can replace the question mark (?) in the following series.

1, 1, 2, 2, 5, 4, 26, 8, 677, ?

- (a) 475 (b) 342
(c) 64 (d) 16

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (d) : The given number series is as follows–



Hence, $[?] = 16$

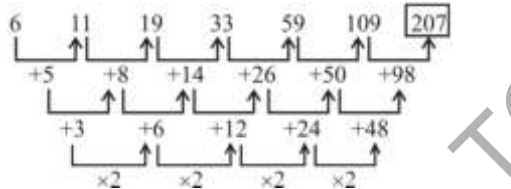
9. Select the number from among the given options that can replace the question mark (?) in the following series.

6, 11, 19, 33, 59, 109, ?

- (a) 205 (b) 218
(c) 207 (d) 229

RRB NTPC (Stage-II) –16/06/2022 (Shift-III)

Ans. (c) : The given series is as follows–



Hence, option (c) is correct.

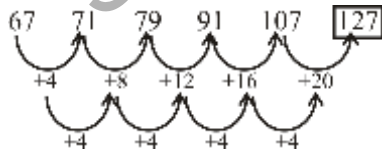
10. Select the number from among the given options that can replace the question mark (?) and continue the given series.

67, 71, 79, 91, 107, ?

- (a) 123 (b) 119
(c) 131 (d) 127

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (d) : The given series is as follows –



Hence, option (d) is correct.

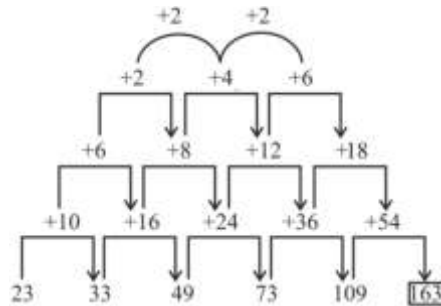
11. Select the number from among of the given options that can replace the question mark (?) in the following series.

23, 33, 49, 73, 109, ?

- (a) 119 (b) 135
(c) 123 (d) 163

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (d) : The given series is as follows –



Hence, $? = 163$

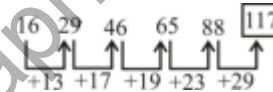
12. Select the number from among the given options that can replace the question mark (?) in the following series.

16, 29, 46, 65, 88, ?

- (a) 101 (b) 119
(c) 117 (d) 123

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (c) : The given series is as follows–



Hence, $? = 117$

Note: Starting from 13, each subsequent number is obtained by adding consecutive prime numbers.

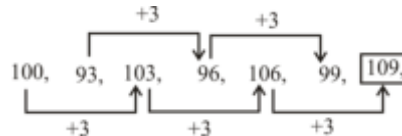
13. Select the number from among the given options that can replace the questions mark (?) in the following series.

100, 93, 103, 96, 106, 99, ?

- (a) 123 (b) 132
(c) 127 (d) 109

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (d) : The given series is as follows–



Hence, $? = 109$

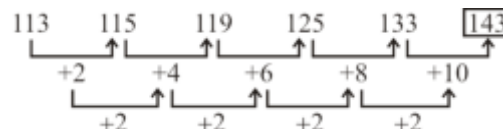
14. Select the number from among the given options that can replace the question mark (?) and continue the given series.

113, 115, 119, 125, 133, ?

- (a) 143 (b) 152
(c) 147 (d) 141

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (a) The given series is as follows–



Hence, $? = 143$

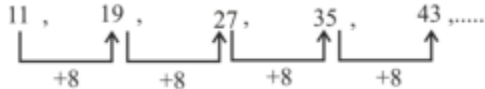


15. In the series 11, 19, 27, 35, 43, which of the following will NOT be a number of the series?

(a) 195 (b) 434
(c) 107 (d) 307

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (b) : The given series is as follows-



Since adding 8 to each number gives each subsequent number. And in each number, when divided by 8, 3 remainder is obtained, while in option (b) 434, when divided by 8, 2 remainder is obtained.

Hence option (b) is odd.

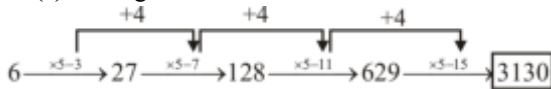
16. Select the number from among the given options that can replace the question mark (?) and continue the given series.

6, 27, 128, 629, ?

(a) 3131 (b) 2121
(c) 3130 (d) 2120

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (c) : The given number series is as follows-



Hence, ? = 3130.

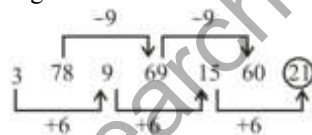
17. Select the number from among the given options that can replace the question mark (?) in the following series.

3, 78, 9, 69, 15, 60, ?

(a) 19 (b) 23
(c) 22 (d) 21

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (d) : The given number series is as follows.



Hence, ? = 21

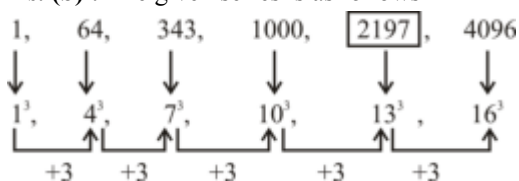
18. Select the number from among the given options that can replace the question mark (?) in the following series.

1, 64, 343, 1000, ?, 4096

(a) 2245 (b) 2197
(c) 3065 (d) 2098

RRB NTPC (Stage-II) –15/06/2022 (Shift-I)

Ans. (b) : The given series is as follows-



Hence, ? = 2197

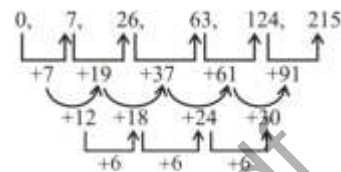
19. Select the number from the given alternatives that can come in place of the question mark (?) in the following series.

0, 7, 26, 63, ?, 215

(a) 80 (b) 216
(c) 74 (d) 124

RRB NTPC (Stage-II) –15/06/2022 (Shift-II)

Ans. (d) : The given series is as follows-



Hence, 124 will come in place of (?)

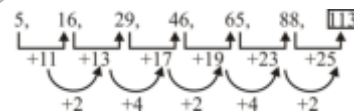
20. Select the number that can replace the question mark (?) in the following series.

5, 16, 29, 46, 65, 88, ?

(a) 116 (b) 107
(c) 117 (d) 113

RRB NTPC (Stage-II) –15/06/2022 (Shift-III)

Ans. (d) : The given number series is as follows-



Hence, 113 will come in the place of (?)

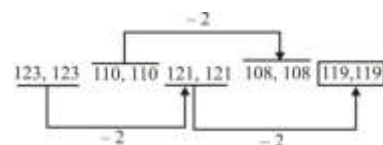
21. Select the numbers from among the given options that can replace the question marks (?) in the following series.

123, 123, 110, 110, 121, 121, 108, 108, ?

(a) 119, 119 (b) 97, 97
(c) 123, 123 (d) 127, 127

RRB NTPC (Stage-II) –15/06/2022 (Shift-III)

Ans. (a) : The given number series is as follows



Hence, ? = 119, 119

22. Select the numbers that can replace the question mark (?) in the following series.

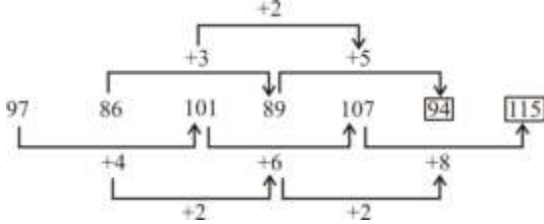
97, 86, 101, 89, 107, ?, ?

(a) 84; 125 (b) 114; 169
(c) 121; 144 (d) 94; 115

RRB NTPC 28.12.2020 (Shift-I) Stage Ist



Ans. (d) : The given series –



Hence, 94, 115 can replace the question mark.

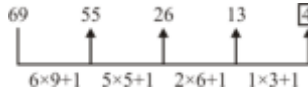
23. Select the number from among the given options that can replace the question mark (?) in the following series.

69, 55, 26, 13, ?

- (a) 3 (b) 4
(c) 2 (d) 5

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (b) : Given series is as follows –



Hence $? = 4$

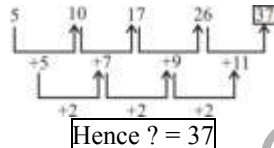
24. Select the number that can replace the question mark (?) in the following series.

5, 10, 17, 26, ?

- (a) 37 (b) 34
(c) 36 (d) 35

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (a) : Given series is :



Hence $? = 37$

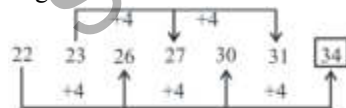
25. Select the number from among the given options that can replace the question mark (?) in the following series

22, 23, 26, 27, 30, 31, ?

- (a) 31 (b) 35
(c) 34 (d) 33

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (c) : The given series is as follows-



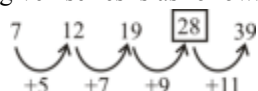
26. Select the number from among the given options that can replace the question mark (?) in the following series

7, 12, 19, ?, 39

- (a) 29 (b) 28
(c) 24 (d) 26

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (b) : The given series is as follows-



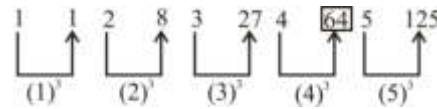
27. Which number from among the given options will come in place of (*) in the given number series?

1, 1, 2, 8, 3, 27, 4, (*), 5, 125.....

- (a) 32 (b) 96
(c) 36 (d) 64

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (d) : The sequence of given series is as follows-



Hence, $* = 64$

28. Identify the number that does NOT belong to the given series of numbers.

46, 31, 22, 17, 30, -32, -89, -179

- (a) -32 (b) -89
(c) 30 (d) 22

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (c) : The given series of numbers are written in descending order.

Therefore, on arranging series in descending order, 30 is not related to series.

29. Select the number from among the given options that can replace the question mark (?) in the following series.

4, 14, 60, 248, ?

- (a) 1012 (b) 1008
(c) 1020 (d) 1016

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (b) : The given number series is as follows –

$$\begin{aligned} \Rightarrow 4^1 - 0 &= 4 \\ \Rightarrow 4^2 - 2 &= 14 \\ \Rightarrow 4^3 - 4 &= 60 \\ \Rightarrow 4^4 - 8 &= 248 \\ \Rightarrow 4^5 - 16 &= 1008 \end{aligned}$$

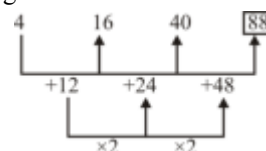
30. Select the number from among the given options that will come next in the following series.

4, 16, 40, ?

- (a) 68 (b) 98
(c) 48 (d) 88

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (d) : The given series is as follows



Hence, $? = 88$



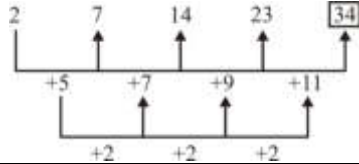
31. Select the number that will come next in the following series.

2, 7, 14, 23, ?

- (a) 13 (b) 30
(c) 33 (d) 34

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (d) : The given series is as follows –



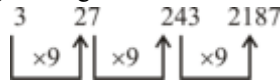
32. Select the number from among the given options that will come next in the following series.

3, 27, 243, ?

- (a) 2900 (b) 2187
(c) 2493 (d) 2100

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (b) : The given number series is as follows



Hence, $? = 2187$

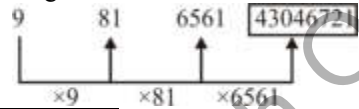
33. Select the number that will come next in the following series.

9, 81, 6561, ?

- (a) 43046221 (b) 43046721
(c) 43046621 (d) 42046721

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (b) : The given number series is as follows



Hence, $? = 43046721$

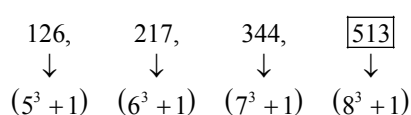
34. Select the number from among the given options that can replace the question mark (?) in the following series –

126, 217, 344, ?

- (a) 470 (b) 614
(c) 513 (d) 688

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (c) : Given series is –



$\Rightarrow ? = 513$

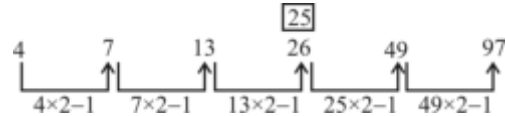
35. Which number among the given options does not belong to the following series?

4, 7, 13, 26, 49, 97

- (a) 97 (b) 13
(c) 26 (d) 49

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Ans. (c) : The given series is as follows –



Hence it is clear from above series 25 should come in place of 26.

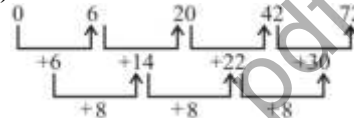
36. Select the number from among the given options that can replace the question mark (?) in the following series.

0, 6, 20, 42, ?

- (a) 72 (b) 86
(c) 68 (d) 70

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Ans. (a) : Number series is as follows –



Hence, $? = 72$

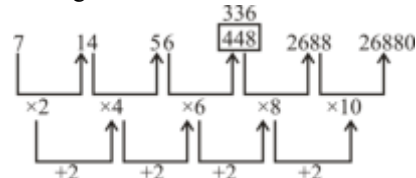
37. Identify the number that does not belong to the following series.

7, 14, 56, 448, 2688, 26880

- (a) 26880 (b) 2688
(c) 56 (d) 448

RRB NTPC 20.01.2021 (Shift-I) Stage Ist

Ans. (d) : The given series is as follows –



Hence it is clear from above series 336 should come in place of 448.

38. Select the number that can replace the question mark (?) in the following series.

4, 13, 27, 82, 165, ?

- (a) 496 (b) 495
(c) 494 (d) 497

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (a) : The given series will be as follows –

$$4 \times 3 + 1 = 13$$

$$13 \times 2 + 1 = 27$$

$$27 \times 3 + 1 = 82$$

$$82 \times 2 + 1 = 165$$

$$165 \times 3 + 1 = 496$$

So $? = 496$

39. Select the number from the given option that can replace the question mark (?) in the following series.

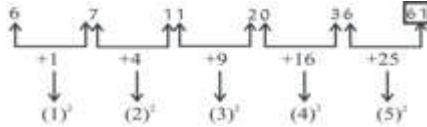
6, 7, 11, 20, 36, ?

- (a) 60 (b) 57
(c) 61 (d) 51

RRB NTPC 08.02.2021 (Shift-I) Stage Ist



Ans. (c) : The given number series is as follows



Hence, 61 can replace the question mark in the following number series.

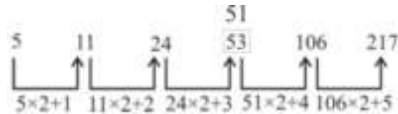
40. Select the number that does not belong to the following series

5, 11, 24, 53, 106, 217

- (a) 5 (b) 53
(c) 11 (d) 106

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (b) : The number series is as follows.



53 does not belong to the given series, 51 will be come at place of 53

41. Identify the number that does not belong to the following series

3, 7, 22, 89, 446, 2677, 18739

- (a) 446 (b) 2677
(c) 89 (d) 18739

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (d) : The given series is as follows—



Hence the number 18739 does not belong to the series because 18740 will come in its place.

42. Identify the number that does not belong to the following series

2, 14, 84, 422, 1680, 5040, 10080, 10080

- (a) 422 (b) 5040
(c) 84 (d) 1680

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (a) : Given series is as follows—



Hence number 422 is not related to the series.

43. Select the number from among the given options that can replace the question mark (?) in the following series

5, 7, 14, 36, ?

- (a) 101 (b) 117
(c) 99 (d) 103

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (d) : Given series as follows



Hence option (d) is correct.

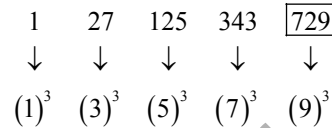
44. Select the number from among the given options that can replace the question mark (?) in the following series.

1, 27, 125, 343, ?

- (a) 999 (b) 625
(c) 216 (d) 729

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (d) : The sequence of the given number series is as follows –



Hence, ? = 729

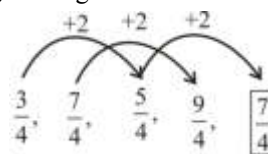
45. Select the fraction from among the given options that can replace the question mark (?) in the following series.

$\frac{3}{4}, \frac{7}{4}, \frac{5}{4}, \frac{9}{4}, ?$

- (a) $\frac{7}{4}$ (b) $\frac{9}{4}$
(c) $\frac{13}{4}$ (d) $\frac{5}{4}$

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (a) : The given series is as follows—



Hence ? = $\frac{7}{4}$

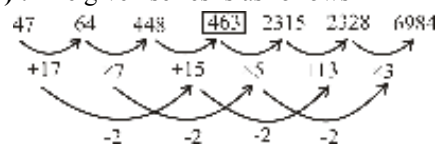
46. Select the number from among the given options that can replace the question mark (?) in the following series.

47, 64, 448, ?, 2315, 2328, 6984

- (a) 459 (b) 463
(c) 461 (d) 465

RRB NTPC 16.01.2021 (Shift-II) Stage Ist

Ans. (b) : The given series is as follows –



Hence, ? = 463

47. Select the number that can replace the question mark (?) in the following series.

2, 7, 23, 72, 220, ?

- (a) 500 (b) 472
(c) 665 (d) 600

RRB NTPC 17.02.2021 (Shift-II) Stage Ist



Ans. (c) : The series is as follow–



$$\Rightarrow ? = 220 \times 3 + 5$$

$$? = 660 + 5$$

$$? = 665$$

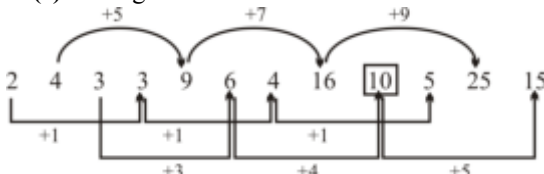
48. Select the number from the given options that will replace the question mark in the given series.

2, 4, 3, 3, 9, 6, 4, 16, ?, 5, 25, 15

- (a) 15 (b) 20
(c) 10 (d) 18

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (c) : The given number series as follow -



Hence, it is clear that in place of the question mark will be 10.

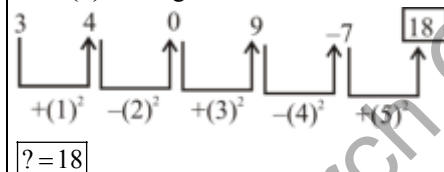
49. Select the option that will fill the blank and complete the given series.

3, 4, 0, 9, -7,

- (a) 8 (b) 18
(c) 7 (d) -32

RRB NTPC 01.04.2021 (Shift-I) Stage Ist

Ans. (b) : The given number series is as follows-



$$? = 18$$

50. Identify the number that is different from the rest.

23, 29, 31, 37, 42, 43, 47

- (a) 31 (b) 37
(c) 42 (d) 43

RRB NTPC 10.01.2021 (Shift-II) Stage Ist

Ans. (c) : 23, 29, 31, 37, 42, 43, 47

Among the given numbers 42 is a composite number. While all the other numbers are prime numbers.

Hence, option (c) is different from the rest.

51. Select the combination of numbers, from the given options, that when sequentially placed in the blanks of the given series will complete the series.

3, 2, 13, / 5, 4, 41/ -, -, -.

- (a) 7, 6, 85 (b) 8, 7, 105
(c) 6, 7, 85 (d) 7, 8, 105

RRB NTPC 19.01.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$$(3 \times 2) \times 2 + 1 = 13$$

$$(5 \times 4) \times 2 + 1 = 41$$

Same as, by option (a)

$$(7 \times 6) \times 2 + 1 = 85$$

Hence, option (a) will fill the blank space.

52. Select the number that can replace the question mark (?) in the following series.

1, 5, 32, 288, ?

- (a) 3413 (b) 4329
(c) 2754 (d) 2879

RRB NTPC 25.01.2021 (Shift-II) Stage Ist

Ans. (a) : The series is as follows

$$\text{First term} = 1^1 = 1$$

$$\text{Second term} = 2^2 + 1^1 = 5$$

$$\text{Third term} = 3^3 + 2^2 + 1^1 = 32$$

$$\text{Fourth term} = 4^4 + 3^3 + 2^2 + 1^1 = 288$$

$$\text{Fifth term (?) = } 5^5 + 4^4 + 3^3 + 2^2 + 1^1$$

$$\Rightarrow ? = 3413$$

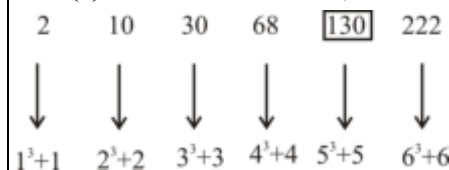
53. Select the number that can replace the question mark (?) in the following series.

2, 10, 30, 68, ?, 222

- (a) 130 (b) 103
(c) 120 (d) 110

RRB NTPC 03.02.2021 (Shift-I) Stage Ist

Ans. (a) : Series are as follows,



Hence, 130 will replace (?).

54. Select the numbers that can replace the question marks (?) in the following series.

4, 8, 6, 18, 15, 60, 56 ?, ?

- (a) 108, 110 (b) 172, 178
(c) 280, 275 (d) 216, 230

RRB NTPC 02.03.2021 (Shift-II) Stage Ist

Ans. (c) : The given series is as follows–



Hence, option (c) is correct.

55. Select the number from the given options that can come next in the following series.

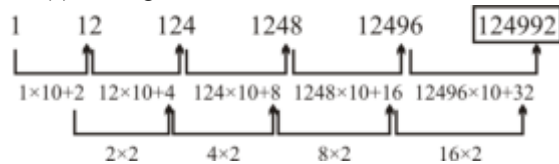
1, 12, 124, 1248, 12496, _____.

- (a) 124982 (b) 124962
(c) 124992 (d) 124978

RRB NTPC 22.01.2021 (Shift-I) Stage Ist



Ans. (c) : The given series is as follows:-



Hence, 124992 will be the next number in the series.

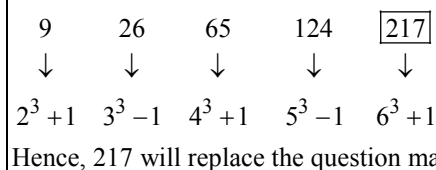
56. From the given options, select the number that can replace the question mark (?) in the following series.

9, 26, 65, 124, ?

- (a) 214 (b) 216
(c) 215 (d) 217

RRB NTPC 28.01.2021 (Shift-I) Stage Ist

Ans. (d) : The given series is as follows:-



Hence, 217 will replace the question mark

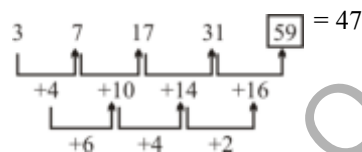
57. Identify the number from the given options that does NOT belong to the following series.

3, 7, 17, 31, 59

- (a) 7 (b) 59
(c) 31 (d) 17

RRB NTPC 28.01.2021 (Shift-II) Stage Ist

Ans. (b) : The given series is as follows,



Hence in the place of 59, the number will be 47.

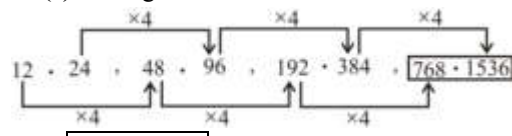
58. Select the number that can replace the question mark (?) in the following series.

12.24, 48.96, 192.384, ?

- (a) 748.1526 (b) 768.1546
(c) 768.1536 (d) 758.1536

RRB NTPC 03.02.2021 (Shift-II) Stage Ist

Ans. (c) : The given series is as follows-



Hence, ? = 768.1536

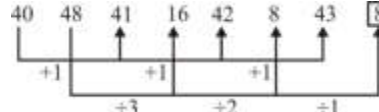
59. Select the number from the given options that can replace the (?) in the following number series.

40, 48, 41, 16, 42, 8, 43, ?

- (a) 16 (b) 9
(c) 71 (d) 8

RRB NTPC 09.02.2021 (Shift-II) Stage Ist

Ans. (d) : The given series is as follows-



Hence, 8 will be in the place of question mark.

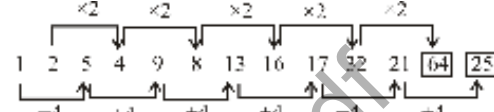
60. Find the next two terms of the given series :

1 2 5 4 9 8 13 16 17 32 21

- (a) 48, 27 (b) 25, 64
(c) 27, 48 (d) 64, 25

RRB NTPC 11.03.2021 (Shift-II) Stage Ist

Ans. (d) : Given series is as follows



Hence, next two terms of the series is 64 and 25.

61. What is the next number of following series-

0, 2, 9, 28, 65,

- (a) 81 (b) 126
(c) 256 (d) 125

RRB NTPC 19.01.2017 Shift : III

Ans. (b) : The series is as follows

$$1^3 + 1 = 2$$

$$2^3 + 1 = 9$$

$$3^3 + 1 = 28$$

$$4^3 + 1 = 65$$

$$5^3 + 1 = 126$$

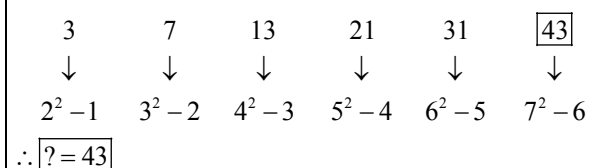
62. Find the missing term (?) in the series -

3, 7, 13, 21, 31, ?

- (a) 41 (b) 42
(c) 43 (d) 44

RRB NTPC 19.04.2016 Shift : I

Ans. (c) : The series is as follows



63. Select the missing number from the given series.

6, 25, 62, 123, 214,

- (a) 341 (b) 317
(c) 334 (d) 292

RRB NTPC 18.01.2017 Shift : I

Ans. (a) : The series is as follows

$$2^3 - 2 = 6$$

$$3^3 - 2 = 25$$

$$4^3 - 2 = 62$$

$$5^3 - 2 = 123$$

$$6^3 - 2 = 214$$

$$7^3 - 2 = 341$$

**Type -2 : Series Based on Letters**

64. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

M N L _ M N L L _ _ L L M _ L L _ N L L _ N

- (a) N M N M M L (b) L N N M M M
(c) L N M N M M (d) L M N N M M

RRB NTPC (Stage-II) –13/06/2022 (Shift-II)

Ans. (d) : The given series is as follows-

M N L L / M N L L / M N L L / M N L L / M N L L / M N L L

Hence, LMNNMM will complete the letter series.

65. Select the combination of letters that when sequentially placed in blanks of the given series will complete the series.

_ h _ _ c d _ p _ c _ h _ k _ d h _ k _

- (a) dphkchdpck (b) phcdkpcchk
(c) dpkhkdpccp (d) phdkpchkpc

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)

Ans. (c) : The given series is as follows-

d h p k c / d h p k c / d h p k c / d h p k c

Hence, dpkhkdpccp will complete the letter series.

66. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

A _ BD _ CEB _ CEB _

- (a) CDAEAD (b) CEADAD
(c) CADADE (d) CDADEA

RRB NTPC (Stage-II) –12/06/2022 Shift-I

Ans. (b) : The given series is as follows-

A C E B D / A C E B D / A C E B D

Hence, CEADAD will complete the series.

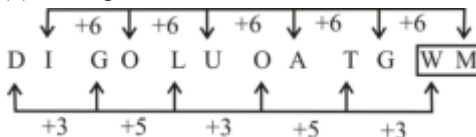
67. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

DI, GO, LU, OA, TG, ?

- (a) WM (b) UL
(c) WL (d) YM

RRB NTPC (Stage-II) –12/06/2022 Shift-I

Ans. (a) : The given series is as follows-



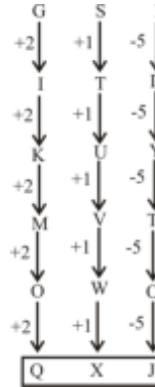
68. Select the letter-cluster from among the given options that can replace the question (?) in the following series.

GSI, ITD, KUY, MVT, OWO, ?

- (a) JXM (b) JYM
(c) QXJ (d) QYK

RRB NTPC (Stage-II) –12/06/2022 (Shift-II)

Ans. (c) : The given series is as follows-



Hence, It is clear that option (c) is correct.

69. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

a _ bca _ _ ca _ b _ _ abc

- (a) aabaca (b) abacaa
(c) bacaaa (d) aaacha

RRB NTPC (Stage-II) –12/06/2022 (Shift-II)

Ans. (a) : The given series is as follows

aabc|aa|bc|aabc|aabc

Hence option (a) will complete the series.

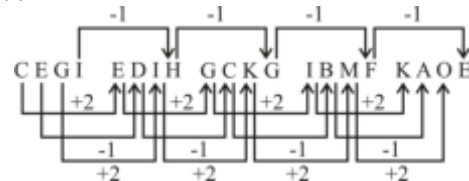
70. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

CEGI, EDIH, GCKG, IBMF, ?

- (a) MZQD (b) QXUB
(c) KAOE (d) OYSC

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (c) : The letter-cluster series is as follows-



Hence, Letter-cluster 'KAOE' is replace the question mark.

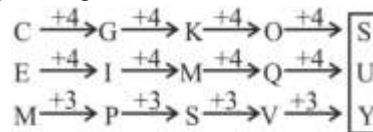
71. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

CEM, GIP, KMS, OQV, ?

- (a) RTY (b) SUY
(c) SUZ (d) RTX

RRB NTPC (Stage-II) –16/06/2022 (Shift-III)

Ans. (b) : The given series is as follows-



Hence, ? = SUY



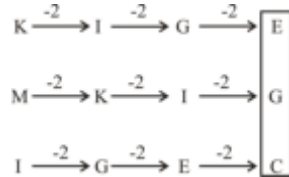
72. Select the letter-cluster from among the given options that can replace the question mark(?) and continue the given series.

KMI, IKG, GIE, ?

- (a) GEC (b) EGC
(c) EGB (d) GEB

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (b) : The given series is as follows-



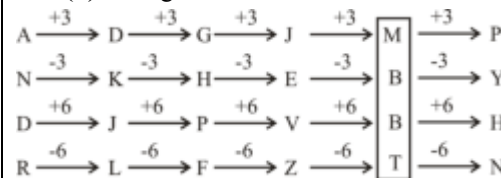
73. Select the letter-cluster that can fill in the blank in the following series.

ANDR, DKJL, GHPF, JEVZ, _____, PYHN

- (a) MBTI (b) MBBT
(c) MBBS (d) MBCT

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (b): The given series is as follows-



Hence, MBBT will fill the blank.

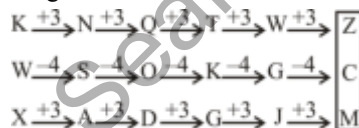
74. Select the letter-cluster from among the given options that can replace the question mark (?) and continue the given series.

KWX, NSA, QOD, TKG, WGJ, ?

- (a) AND (b) CAN
(c) ZDM (d) ZCM

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (d) : The given series is as follows-



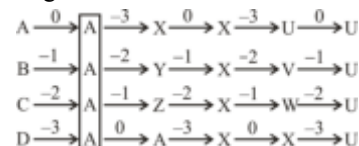
75. Select the option that will fill in the blank and complete the given series.

ABCD, _____, XYZA, XXXX, UVWX, UUUU

- (a) DDDD (b) BCBA
(c) AAAA (d) DCBA

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (c) : The given series is as follows-



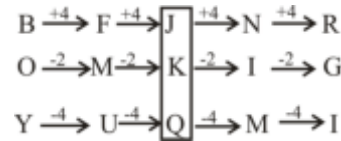
76. Select the letter - cluster from among the given options that can replace the question mark(?) in the following series.

BOY, FMU, ?, NIM, RGI

- (a) JKQ (b) IKR
(c) ILR (d) JLQ

RRB NTPC (Stage-II) –15/06/2022 (Shift-I)

Ans. (a) : The given series is as follows-



Hence, ? = JKQ

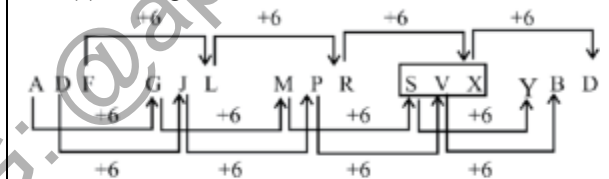
77. Select the letter-cluster from among the options that can replace the question mark (?) in the following series.

ADF, GJL, MPR, ? YBD

- (a) SXA (b) SVY
(c) SVX (d) STU

RRB NTPC (Stage-II) –15/06/2022 (Shift-II)

Ans. (c) : The given series is as follows-



Hence, SVX will be in place of the question mark.

78. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

XY _ XY _ ZYX _ XYXY _

- (a) ZXYYZZXZ (b) ZYZZZZXY
(c) ZXYYZZXY (d) YXYYZZXY

RRB NTPC (Stage-II) –15/06/2022 (Shift-III)

Ans. (c) : XY_ZXY / XY_ZXY / XY_ZXY / XY_ZXY

Hence, ZXYYZZXY will come at the blank space.

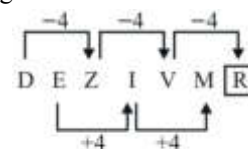
79. Select the letter from among the given options that can replace the question mark (?) in the following series.

D, E, Z, I, V, M, ?

- (a) R (b) Q
(c) S (d) T

RRB NTPC (Stage-II) –15/06/2022 (Shift-III)

Ans. (a) : The given series is as follows -



Hence, R will come at the place of (?)



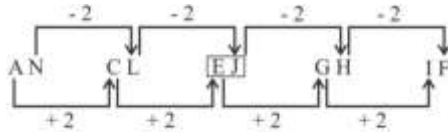
80. Select the letters pair from among the given options that can replace the question mark (?) and continue the given series.

AN, CL, ?, GH, IF

- (a) EI (b) DJ
(c) EJ (d) DI

RRB NTPC (Stage-II) –16/06/2022 (Shift-I)

Ans. (c) : The given letter series is as follows-



Hence, ? = EJ

81. Select the combination of letters that when sequentially placed in the blanks will create a logical pattern.

abc— d cde d — e — b

- (a) d; e; a; b; c (b) b; c; e; a; a
(c) c; d; e; a; c (d) b; c; e; a; c

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (b) : a b c/b c d/c d e/d e a/a b

Hence, option (b) is correct.

82. Select the combination of letters that when sequentially placed in the blanks will create a repetitive pattern.

mmnn.....pmmnnnp.....mnn.....

- (a) n, p, m, p, p, m (b) n, p, p, m, m, p
(c) m, p, p, n, p, p (d) n, p, p, m, p, p

RRB NTPC 30.01.2021 (Shift-II) Stage Ist

Ans. (d) :

m m n n n, p p m m n n n p p, m m n n n p p

Hence, option (d) is correct.

83. Select the combination of letters that when sequentially placed in the blanks will create a repetitive pattern.

c_bba_cab_ac_ab_ac

- (a) b, a, b, c, c (b) b, c, a, c, b
(c) a, c, b, c, b (d) a, b, c, b, c

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (c) : The correct pattern will be

c a b b a c/c a b b a c/c a b b a c

Hence, option 'c' will be the answer.

84. Select the letter cluster that can replace the question mark (?) in the following series.

BZA, DYC, FXE, HWG, ?

- (a) KVI (b) JUH
(c) JVH (d) JVI

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (d) : The given series –

B $\xrightarrow{+2}$ D $\xrightarrow{+2}$ F $\xrightarrow{+2}$ H $\xrightarrow{+2}$ J

Z $\xrightarrow{-1}$ Y $\xrightarrow{-1}$ X $\xrightarrow{-1}$ W $\xrightarrow{-1}$ V

A $\xrightarrow{+2}$ C $\xrightarrow{+2}$ E $\xrightarrow{+2}$ G $\xrightarrow{+2}$ I

Hence ? = JVI

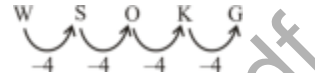
85. Select the most appropriate option to fill in the blank

W S O K _____

- (a) T (b) G
(c) H (d) L

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (b) :



Hence ? = G

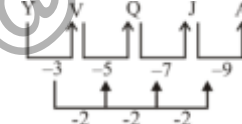
86. Select the letter from among the given options that can replace the question mark (?) in the following series.

Y, V, Q, J, ?

- (a) B (b) C
(c) A (d) D

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (c) : The sequence of the given series –



Hence, ? = A

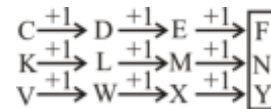
87. Select the pattern that will come next in the following series.

CKV, DLW, EMX, ?

- (a) FNY (b) HNZ
(c) BOI (d) FLP

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (a) : Given series is as follows-



88. The given letter, clusters follow a certain pattern. Select the option that gives the correct sequence of the letters that are missing from the letter clusters.

DECAB / GJFF_ / KNJJ_ / PQOM_

- (a) MFJ (b) FJM
(c) EIN (d) ENI

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (c) : The given series is as follows-

4 5 3 1 2 3 4 2 2 1 3 4 2 2 1 4 5 3 1 2

DECAB / GJFFE / KNJJI / PQOMN

Term(1) Term(2) Term(3) Term(4)

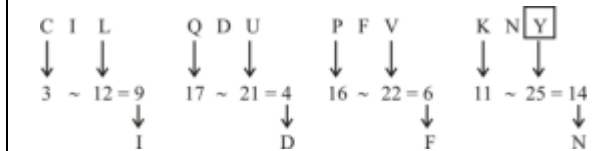
The sequence of term (1) and term (4) is of the same type and the sequence of term (2) and term (3) is of the same type.



89. Select the letter from the given options that can replace the question mark (?) and complete the 4th letter cluster in the following series
CIL, QDU, PFV, KN?
(a) W (b) Z
(c) X (d) Y

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (d) : The given series is as follows-

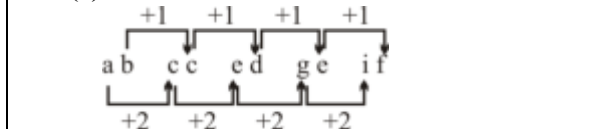


Hence, ? = Y

90. Select the letter clusters from among the given options that can replace the question mark (?) in the following series.
ab, cc, ed, ge, ?
(a) if (b) hf
(c) gf (d) id

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Ans. (a) : Given series is as follows-

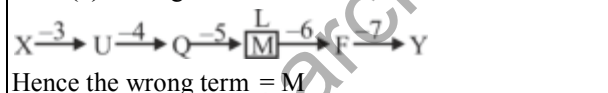


Hence, ? = if

91. Identify the letter that does not belong to the following series
X, U, Q, M, F, Y
(a) M (b) Q
(c) Y (d) F

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (a) : The given series will be as follows-

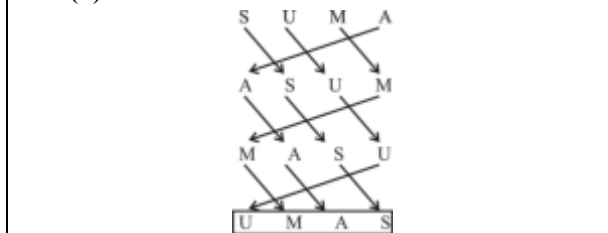


Hence the wrong term = M

92. Select the letter-cluster that can replace the question mark (?) in the following series.
SUMA, ASUM, MASU, ?
(a) SAUM (b) UMAS
(c) MAUS (d) UASM

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (b) : Series is as follows-

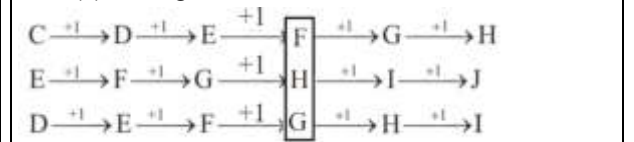


Hence ? = UMAS

93. Identify the term that does not belong to the following series
CED, DFE, EGF, FGH, GIH, HJI
(a) FGH (b) DFE
(c) CED (d) EGF

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (a) : The given series is as follows-



Hence FGH does not belong to the series. In the place of FGH will be FHG.

94. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.
bbccdc-ddedd-efeefffgg-ggh-:
(a) bdhi (b) cehh
(c) cdhi (d) begg

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (b) : On putting the letters of the combinations of letters (cehh) in the blank spaces respectively.

bbccdc / ccddde / ddeeff / eefffg / ffgghh / gghh

95. Select the combination of letters that when sequentially placed in the blanks will create a series
ab_, ac_, ade_, _ef, a_g
(a) c, d, b, f (b) b, d, a, f
(c) c, d, a, f (d) a, b, a, b

RRB NTPC 06.04.2021 (Shift-I) Stage Ist

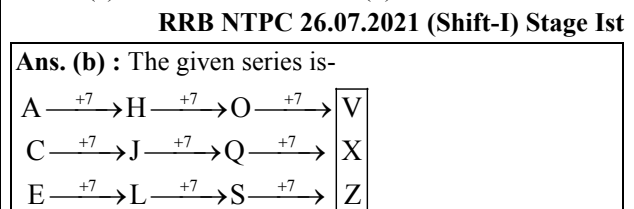
Ans. (c) : Given alphabet series as follows-

abc_, acd_, ade_, aef_, afg_.

96. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
ACE, HJL, OQS, ?
(a) VWX (b) VXZ
(c) ZXV (d) UWY

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (b) : The given series is-



97. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
ACDF, GIJL, MOPR, ?
(a) SVUX (b) STVX
(c) SVTX (d) SUVX

RRB NTPC 04.01.2021 (Shift-II) Stage Ist



Ans. (d) : Given series is as follows –

A	→ ⁺⁶	G	→ ⁺⁶	M	→ ⁺⁶	S
C	→ ⁺⁶	I	→ ⁺⁶	O	→ ⁺⁶	U
D	→ ⁺⁶	J	→ ⁺⁶	P	→ ⁺⁶	V
F	→ ⁺⁶	L	→ ⁺⁶	R	→ ⁺⁶	X

Hence 'SUVX' will be in the place of question mark.

98. Select the combination of letters that when sequentially placed in the blanks will create a repetitive pattern.

c_bca- c_bc_b

- (a) abaa (b) abbc
(c) abac (d) abcc

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question ,

c-bca-c-bc-b
↓ ↓ ↓ ↓
a b a a
cab, cab, cab, cab

Hence, 'abaa' will come at the place of blank space.

99. Select the combination of letters that sequentially placed in the blanks will create a repetitive pattern.

jj__k_j__kkk

- (a) kjjjk (b) jkkjj
(c) jkjjk (d) jkkkj

RRB NTPC 29.01.2021 (Shift-I) Stage Ist

Ans. (b) : The given series is follows as.

jj_j_k_k_j_j_kkk

Hence, the blank space in the above series will be jkkj.

100. Select the combination of letters that when sequentially placed in the blanks will create a repetitive pattern.

abb- a-b-bbb

- (a) bbbb (b) abbb
(c) babb (d) bbba

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (d) : The given series is as follows.

abb/abb/abb

Hence, at the blank space in above series will be bbba

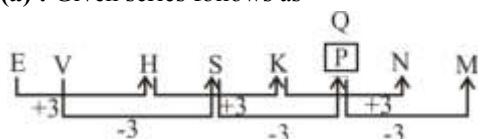
101. Identify the letter that does NOT belong to the following series.

E, V, H, S, K, Q, N, M

- (a) Q (b) K
(c) M (d) N

RRB NTPC 04.02.2021 (Shift-II) Stage Ist

Ans. (a) : Given series follows as–



Hence, Q is not related to series. P will be at the place of Q.

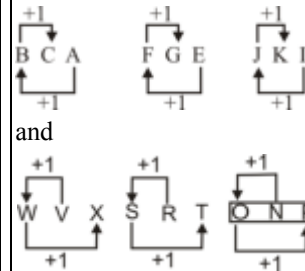
102. Select the option that will fill in the blank and complete the given series.

BCA, WVX, FGE, SRT, JKI, _____

- (a) OPN (b) NOM
(c) ONP (d) MNL

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (c) : The given letter sorts will be as follows–



Hence the complete series is as follows.

BCA, WVX, FGE, SRT, JKI, ONP

103. Select the combination of letters that, when placed consecutively at the blanks in the following series to form a repetition pattern.

QR_Q_R_Q_RRQ

- (a) QQRQ (b) RQQR
(c) RQRQ (d) QRQR

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (c) : Combination of letters is as follows–

Q R R Q/Q R R Q/Q R R Q

So, the combination of option (c) is correct.

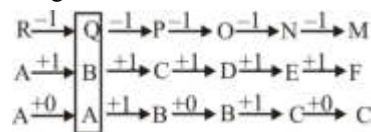
104. From the given options, choose the appropriate word group which may replace (?).

RAA, ?, PCB, ODB, NEC, MFC

- (a) PKL (b) QBA
(c) PDB (d) QEC

RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (b) : The given series is as follows–



Hence ? = QBA

105. Select the combination of letters that when sequentially placed in the blanks will create a repetitive pattern.

a_bc_a_bcd_a_ccd_bcd_

- (a) a, d, b, b, a, d (b) a, c, b, d, b, d
(c) a, d, b, b, d, d (d) a, a, b, c, c, d

RRB NTPC 04.01.2021 (Shift-I) Stage Ist

Ans. (a) : The repetitive pattern will be made in following way–

a a b c d / a b b c d / a b c c d / a b c d d



106. Select the combination of letters that when sequentially placed in the blanks will create a respective pattern.

bb_cc_bb_bcccc_b

- (a) b; b; c; c (b) b; c; c; b
(c) c; c; b; b (d) c; b; c; b

RRB NTPC 10.01.2021 (Shift-II) Stage Ist

Ans. (c) : The repetition pattern of letters are as follows-

bbcc/ccbb/bbcc/ccbb

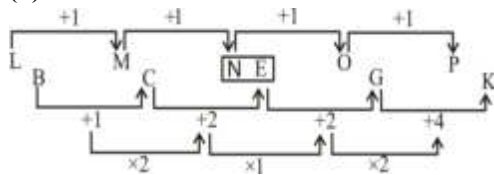
107. Select the option that can replace the question mark (?) in the following series.

LB, MC, ?, OG, PK

- (a) NJ (b) NE
(c) NF (d) ND

RRB NTPC 25.01.2021 (Shift-II) Stage Ist

Ans. (b) : Series is as follows-



Hence, ? = NE

108. Select the letter-cluster from among the given option that can replace the question mark (?) in the following series.

KL, MO, OR, ?

- (a) UQ (b) SQ
(c) QT (d) QU

RRB NTPC 23.01.2021 (Shift-II) Stage Ist

Ans. (d) : The given series is as follows-

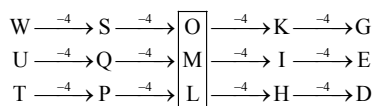


109. Find the missing term in this series-
WUT, SQP, ?, KIH, GED

- (a) LOM (b) OML
(c) MOL (d) OLH

RRB NTPC 22.04.2016 Shift : I

Ans. (b) : The series is as follows



Hence the missing term is OML

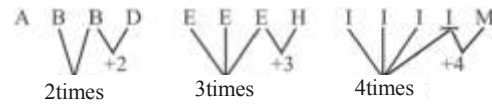
110. What are the next two letter in the series?

A B B D E E E H I I _ _

- (a) I I (b) J J
(c) I J (d) I M

RRB NTPC 19.01.2017 Shift : II

Ans. (d) : The series is as follows



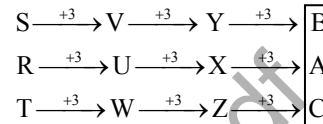
111. Find the missing term in the series-

SRT, VUW, YXZ, ?

- (a) AZB (b) BAC
(c) ABC (d) ABZ

RRB NTPC 19.04.2016 Shift : III

Ans. (b) : The series is as follows



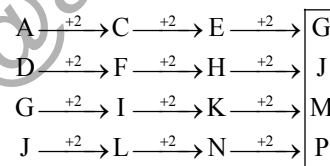
Hence, BAC will be the missing term in the given series

112. ADGJ, CFIL, EHKN,

- (a) FILO (b) HKNQ
(c) DGJM (d) GJMP

RRB NTPC 19.04.2016 Shift : I

Ans. (d) : The series is as follows



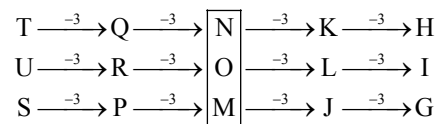
Hence ? = GJMP

113. Find the term Which is not given in the series-
TUS, QRP, ?, KLJ, HIG

- (a) ONM (b) MNO
(c) NOM (d) ONO

RRB NTPC 30.03.2016 Shift : I

Ans. (c) : The series is as follows



Hence ? = NOM

114. Select the combination of letters that when sequentially placed in the blanks will create a repetitive pattern :

aba_bca_ac_cab_cbc

- (a) cabb (b) cbab
(c) cbaa (d) cbba

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (d) : From option (d)

abacbc/abacbc/abacbc

The sequence of this letter series is abacbc.

**Type -3 : Mixed Series of Numbers and Letters**

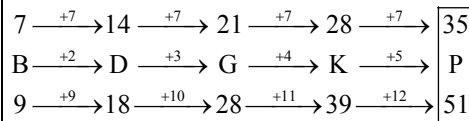
115. Select the alphanumeric-cluster form among the given option that can replace the question mark (?) in the following series.

7B9, 14D18, 21G28, 28K39, ?

- (a) 32P49 (b) 35P49
(c) 33P51 (d) 35P51

RRB NTPC (Stage-II) -14/06/2022 (Shift-II)

Ans. (d) : The given series is as follows-



Hence, ? = 35P51

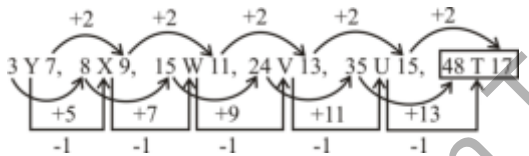
116. Select the alphanumeric-cluster from among the given options that can replace the question mark (?) in the following series.

3Y7, 8X9, 15W11, 24V13, 35U15, ?

- (a) 44S16 (b) 49T19
(c) 47S14 (d) 48T17

RRB NTPC (Stage-II) -14/06/2022 (Shift-II)

Ans. (d) : The given series is as follows-



Hence option (d) is correct.

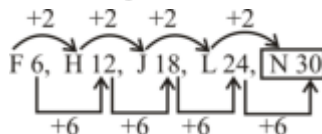
117. Select the alphanumeric-cluster form among the given options that can replace the question mark (?) in the following series.

F6, H12, J18, L24, ?

- (a) N12 (b) N30
(c) M12 (d) M30

RRB NTPC (Stage-II) -14/06/2022 (Shift-II)

Ans. (b) : The given series is as follows-



Hence, option (b) is correct.

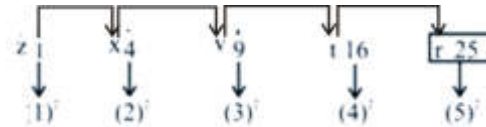
118. Select the alphanumeric clusters from among the given option that can replace the question mark (?) in the following series.

z1, x4, v9, t16, ?

- (a) s24 (b) v25
(c) r25 (d) t26

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Ans. (c) : The given series is as follows-



Therefore, ? = r25

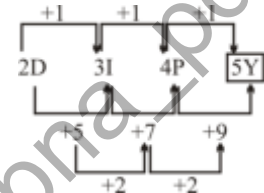
119. Select the alphanumeric-clusters from among the given options that can replace the question mark (?) in the following series.

2D, 3I, 4P, ?

- (a) 5Z (b) 5Y
(c) 5X (d) 5W

RRB NTPC 20.01.2021 (Shift-I) Stage Ist

Ans. (b) : The given series is as follows



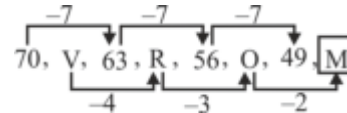
120. Select the letter that can replace the question mark (?) in the following series.

70, V, 63, R, 56, O, 49, ?

- (a) L (b) M
(c) N (d) K

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (b) : The given series will be as follows-



Hence, ? = M

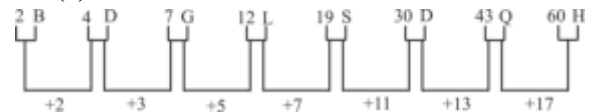
121. Select the term that will come next in the following series.

2B, 4D, 7G, 12L, 19S, 30D, 43Q, ?

- (a) 60H (b) 60Z
(c) 64S (d) 63X

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (a) :



Hence,

? = 60 H

122. Select the option that can replace the question mark (?) in the following series.

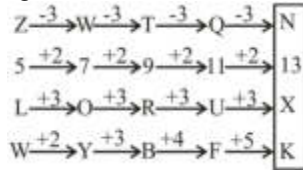
Z5LW, W7OY, T9RB, Q11UF, ?

- (a) N15YK (b) N13XK
(c) N15ZK (d) N13XJ

RRB NTPC 16.02.2021 (Shift-II) Stage Ist



Ans. (b) : The given series is—



Hence ? = N13XK

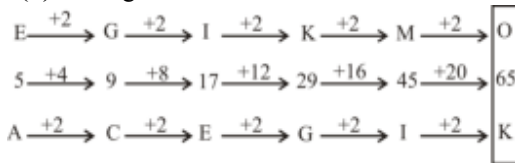
123. Select the alphanumeric-cluster from among the given options that can replace the question mark (?) in the following series.

E5A, G9C, I17E, K29G, M45I, ?

- (a) O63K (b) O65K
(c) N65K (d) O20K

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (b) : The given series are—



? = O65K

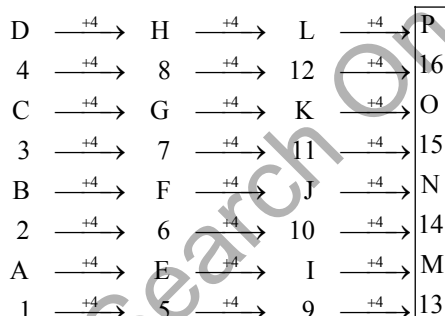
124. Select the alphanumeric cluster from among the given option that can replace the question mark (?) in the following series.

D4C3B2A1, H8G7F6E5, L12K11J10I9, ?

- (a) P16O15N14M13 (b) P16R15S14T13
(c) Q17P16O15N14 (d) M15N16O17P18

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (a) : Given series follows as —



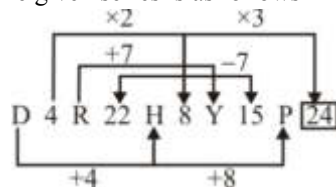
125. Select the number from among the given options that can replace the question mark (?) in the following series.

D4R22H8Y15P?

- (a) 7 (b) 24
(c) 20 (d) 18

RRB NTPC 20.01.12021 (Shift-II) Stage Ist

Ans. (b) : The given series is as follows—



Hence, ? = 24

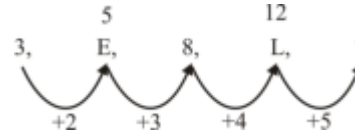
126. Select the number from among the given option that can replace the question mark (?) in the following series.

3, E, 8, L, ?

- (a) 19 (b) 11
(c) 23 (d) 17

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (d) : The Given series is as follows —



Hence, ? = 12 + 5 = 17

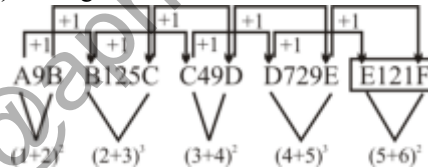
127. Select the option that will fill in the blank and complete the given series.

A9B, B125C, C49D, D729E,

- (a) E121F (b) D122G
(c) E36F (d) G221H

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (a) : The given series is as follows—



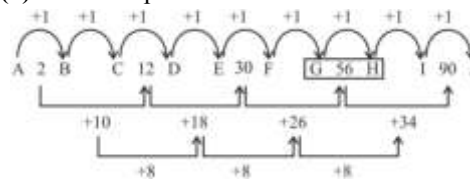
128. Find the missing term in given alphanumeric series

A2B, C12D, E30F, _____, I90J

- (a) G56H (b) G48H
(c) G49H (d) G64H

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (a) : Given alphanumeric series are:-



∴ Missing term in series = G 56 H

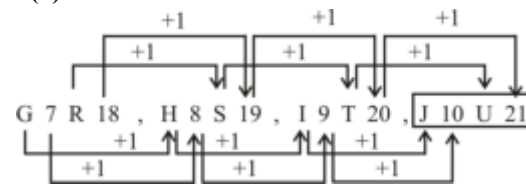
129. Select the letter cluster that can replace the question mark (?) in the following series.

G7R18, H8S19, I9T20, ?

- (a) J10U21 (b) C2P13
(c) D3A11 (d) L4B12

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (a) : Given series is as follows:-



Hence, ? = J 10 U 21



130. Identify the term that does not belong to the following series.

A5, F11, K24, P51, T105, Z217

- (a) T105 (b) F11
(c) Z217 (d) P51

RRB NTPC 02.02.2021 (Shift-I) Stage Ist

Ans. (a) : The given series is as follows -

$$A \xrightarrow{+5} F \xrightarrow{+5} K \xrightarrow{+5} P \xrightarrow{+5} T \xrightarrow{+5} Z$$

$$5 \xrightarrow{\times 2+1} 11 \xrightarrow{\times 2+2} 24 \xrightarrow{\times 2+3} 51 \xrightarrow{\times 2+4} 105 \xrightarrow{\times 2+5} 217$$

Hence, it is clear that instead of T105, it should be U106.

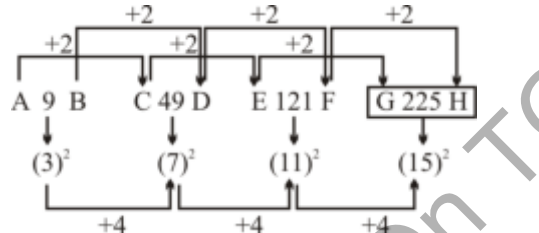
131. Select the alphanumeric-cluster that can replace the question mark (?) in the following series.

A9B, C49D, E121F, ?

- (a) G125H (b) G144I
(c) G225H (d) G150H

RRB NTPC 02.03.2021 (Shift-II) Stage Ist

Ans. (c) : The alphanumeric group series in question are as follows—



Hence, option (c) is correct.

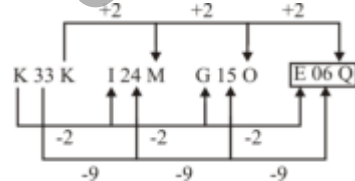
132. Select the option that will fill in the blank and complete the given series.

K33K, I24M, G15O, _____

- (a) F15Q (b) E06Q
(c) F06R (d) E07Q

RRB NTPC 03.04.2021 (Shift-I) Stage Ist

Ans. (b) : The given series is as follows—



Hence, ? = E06Q

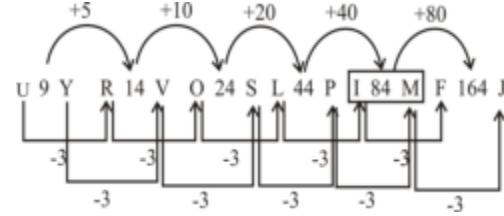
133. Select the term that can replace the question mark (?) in the following series.

U9Y, R14V, O24S, L44P, ?, F164J

- (a) J84L (b) I84M
(c) I84N (d) I64M

RRB NTPC 07.04.2021 (Shift-I) Stage Ist

Ans. (b) : The given series is as follows—



Hence ? = I84M

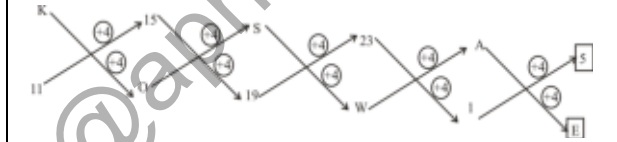
134. Select the option that can replace the question mark (?) in the following series.

K 15 S 23 A ?
11 O 19 W 1 ?

- (a) $\frac{5}{F}$ (b) $\frac{5}{E}$
(c) $\frac{E}{5}$ (d) $\frac{6}{E}$

RRB NTPC 08.04.2021 (Shift-II) Stage Ist

Ans. (b) : As per question,



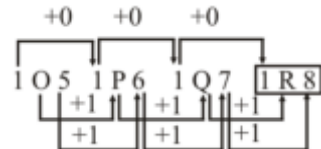
135. Select the term that will come next in the following series.

1O5, 1P6, 1Q7, _____

- (a) 81R (b) 8R1
(c) 1R8 (d) R18

RRB NTPC 23.01.2021 (Shift-II) Stage Ist

Ans. (c) : The given series is as follows—



136. Select the option that will fill in the blank and complete the series.

PE₁₁, QD₂, RC₉, SB₄, _____

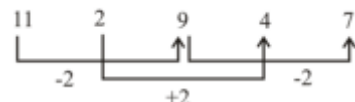
- (a) TA₇ (b) TA₆
(c) RA₆ (d) BA₇

RRB NTPC 27.01.2021 (Shift-II) Stage Ist

Ans. (a) : The given series is as follows—

$$P \xrightarrow{+1} Q \xrightarrow{+1} R \xrightarrow{+1} S \xrightarrow{+1} T$$

$$E \xrightarrow{-1} D \xrightarrow{-1} C \xrightarrow{-1} B \xrightarrow{-1} A$$



Hence the option (a) will complete the series.



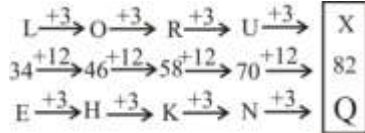
137. Select the option that can replace the question mark (?) in the following series.

L34E, O46H, R58K, U70N, ?

- (a) X82P (b) X41Q
(c) X82Q (d) X41M

RRB NTPC 03.02.2021 (Shift-II) Stage Ist

Ans. (c) : The given series is as follows-



Hence, ? = X82Q

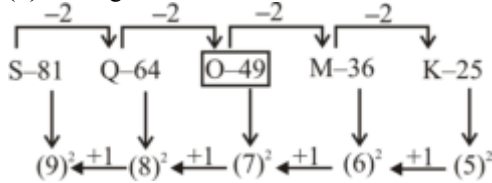
138. Select the alphanumeric-cluster that can replace the question mark (?) in the following series?

S-81, Q-64, ?, M-36, K-25

- (a) M-52 (b) K-40
(c) P-42 (d) O-49

RRB NTPC 08.02.2021 (Shift-II) Stage Ist

Ans. (d) : The given series is as follows-



Hence, ? = O-49

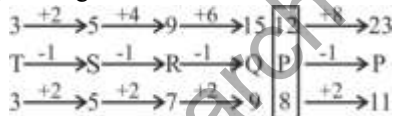
139. Identify the term that does NOT belong to the following series.

3T3, 5S5, 9R7, 12P8, 23P11

- (a) 12P8 (b) 23P11
(c) 3T3 (d) 9R7

RRB NTPC 22.02.2021 (Shift-II) Stage Ist

Ans. (a) : The given series is as follows-



Hence, it is clear from the above that term '12P8' is not related to the given series.

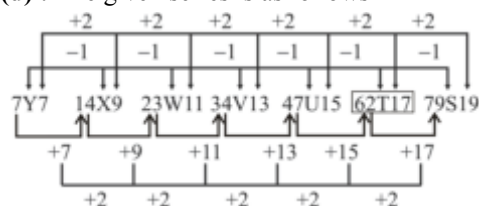
140. What is the term that can replace the question mark (?)

7Y7, 14X9, 23W11, 34V13, 47U15, ?, 79S19

- (a) 64R15 (b) 60T19
(c) 64Q17 (d) 62T17

RRB NTPC 14.03.2021 (Shift-I) Stage Ist

Ans. (d) : The given series is as follows —



Hence, 62T17 will be at the place of question mark.

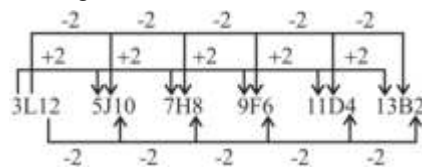
141. Select the term from the given options that can replace the question mark (?) in the following series.

3L12, 5J10, 7H8, 9F6, 11D4, ?

- (a) 13B4 (b) 13B2
(c) 13A6 (d) 9B6

RRB NTPC 24.07.2021 (Shift-I) Stage Ist

Ans. (b) : The given series is as follows.—



Hence, ? = 13B2

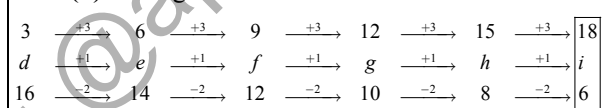
142. Select the alphanumeric-cluster from among the given options that can replace the question mark (?) in the following series.

3d16, 6e14, 9f12, 12g10, 15h8, ?

- (a) 27i6 (b) 18i6
(c) 18i4 (d) 21i6

RRB NTPC 31.07.2021 (Shift-I) Stage Ist

Ans. (b) : The given series is as follows-



Hence, ? = 18i6

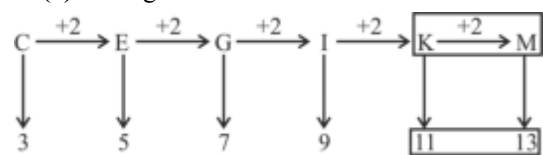
143. Complete the following series

C - 3, E - 5, G - 7, I - 9,

- (a) K - 11, M - 13 (b) J - 10, K - 11
(c) J - 11, L - 13 (d) K - 11, N - 13

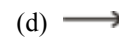
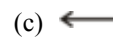
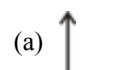
RRB NTPC 17.01.2017 Shift-III

Ans. (a) : The given series is as follows -



Type -4 : Series Based on Figures

144. Select the option that would come next in the given series.

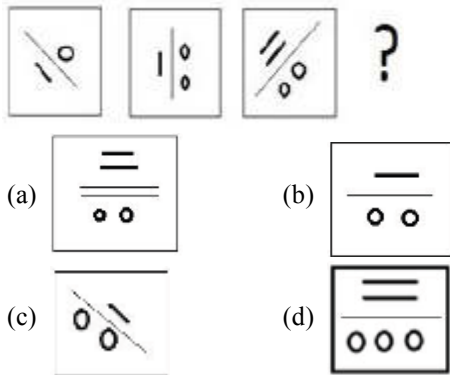


RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (d) : Each subsequent figure in the given figure is rotating 90° clockwise. On the basis of which the next required figure will be option (d).



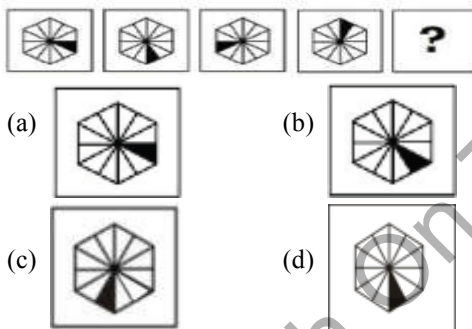
145. Select the pattern from among the given options that will come next in the following series.



RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as the second pattern can be obtained by increasing one zero in the first pattern and rotating the pattern 45° clock-wise, similarly by increasing the zero in the third pattern and rotating the pattern 45° clockwise, the option(d) pattern will be obtained.

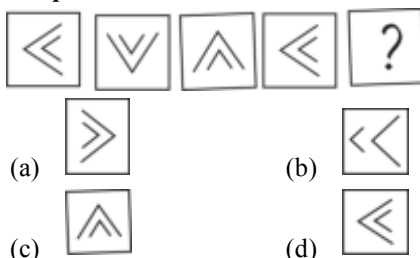
146. Select the figure from the options that when placed in the blank space will complete the pattern.



RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (d) : The given hexagon figures are divided into 12 parts. In these, the parts blackened from first figure to second figure, third figure and fourth figure respectively were blackened in clockwise direction at intervals of 1, 2 and 3 parts respectively. So the next figure will be the shape of option (d) which will come in place of the question mark (?).

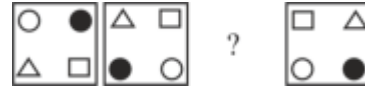
147. Select the figure from the given options that when replaced with the question mark (?) will complete the series.



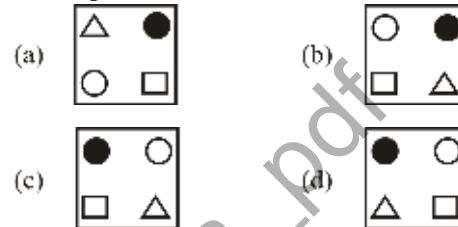
RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (a) : In the given question figure, 90° anticlockwise from the first figure to the second figure and 180° anticlockwise from the second figure to the third figure, similarly the figure of option (a) will fill the blank.

148. Look carefully at the sequence of symbols to find the pattern.

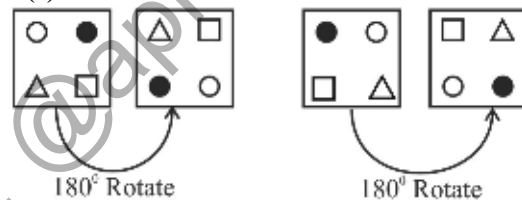


Which of the following will replace the (?) in the sequence?



RRB NTPC 29.03.2016 Shift : III

Ans. (c) :



Type -5 : Miscellaneous

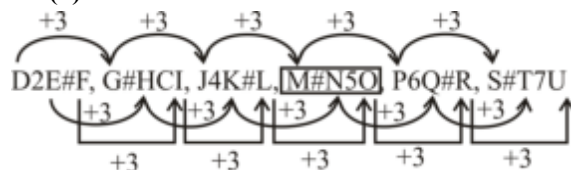
149. Select the alphanumeric-cluster from among the given options that can replace the question mark (?) in the following series.

D2E#F, G#H3I, J4K#L, ?, P6Q#R, S#T7U

- (a) M6A#T (b) M#N5O
(c) M3N#P (d) M#O7N

RRB NTPC (Stage-II) -16/06/2022 (Shift-II)

Ans. (b) : Given series is as follows -



Hence, ? = M#N5O

150. Select the term that will come next in the following series.

Mercury, Venus, Earth, ?

- (a) Saturn (b) Mars
(c) Jupiter (d) Uranus

RRB NTPC 11.01.12021 (Shift-II) Stage Ist

Ans. (b) : The planet that comes after Mercury, Venus and Earth is 'Mars'. Because these four planets are located at the closest distance to the Sun and they are also called inner planets.

Hence, option (b) is correct.



05.

Missing Number/Letter Term/Figure

Type -1 : Problems Based on Missing Number

1. In each of the given number-clusters. The number on the right side of '=' (the equal to sign) is calculated by performing certain mathematical operations on the three numbers on the left of '=' (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster.

$$21, 9, 40 = 149$$

$$18, 7, 25 = 101$$

$$15, 11, 30 = ?$$

$$(a) 110$$

$$(b) 135$$

$$(c) 125$$

$$(d) 120$$

RRB NTPC (Stage-II) -12/06/2022 Shift-I

Ans. (b) : Just as,

$$21, 9, 40 = 149$$

$$\Rightarrow 21 \times 9 - 40$$

$$189 - 40 = 149$$

And,

$$18, 7, 25 = 101$$

$$\Rightarrow 18 \times 7 - 25$$

$$126 - 25 = 101$$

Same as,

$$15, 11, 30 = ?$$

$$\Rightarrow 15 \times 11 - 30$$

$$165 - 30 = 135$$

2. In each of the given number-clusters, the number on the right side of '=' (the equal to sign) is calculated by performing certain mathematical operations on the three numbers on the left of '=' (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster.

$$4, 3, 2 = 21$$

$$5, 6, 3 = 52$$

$$5, 8, 4 = ?$$

$$(a) 41$$

$$(b) 85$$

$$(c) 73$$

$$(d) 106$$

RRB NTPC (Stage-II) -13/06/2022 (Shift-II)

Ans. (c) : Just as,

$$4, 3, 2 = 21$$

$$\downarrow$$

$$(4)^2 + (3)^2 - (2)^2 = 21$$

$$\text{And, } 5, 6, 3 = 52$$

$$\downarrow \quad \downarrow \quad \downarrow$$

$$(5)^2 + (6)^2 - (3)^2 = 52$$

Same as,

$$5, 8, 4 = ?$$

$$\downarrow \quad \downarrow \quad \downarrow$$

$$(5)^2 + (8)^2 - (4)^2 = 73$$

Hence, ? = 73

3. Select the number from among the given options that can replace the question mark (?) in the following table.

5	4	3
6	5	4
7	6	5
384	245	?

$$(a) 144$$

$$(b) 269$$

$$(c) 249$$

$$(d) 244$$

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (a) : Given that :

From Column I,

$$(5)^1 + (6)^2 + (7)^3 = 5 + 36 + 343$$

$$= 384$$

Again, from Column II,

$$(4)^1 + (5)^2 + (6)^3 = 4 + 25 + 216$$

$$= 245$$

Same as,

From Column III,

$$(3)^1 + (4)^2 + (5)^3 = 3 + 16 + 125$$

$$= 144$$

4. Select the number from among the given options that can replace the question mark (?) in the following table.

28	63	94
8	18	?
6	9	13

$$(a) 69$$

$$(b) 48$$

$$(c) 76$$

$$(d) 75$$

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (d) : Given that -

From Column I,

$$28 + 8 = 36 = (6)^2$$

Again, from Column II,

$$63 + 18 = 81 = (9)^2$$

Same as,

From Column III,

$$94 + ? = (13)^2$$

$$94 + ? = 169$$

$$? = 169 - 94$$

$$? = 75$$



5. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 11 (b) 5
(c) 9 (d) 7

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (b) : Just as,

From pattern - I $\rightarrow 40 - 22 + 12 = 30$

From pattern - II $\rightarrow 34 - 10 + 16 = 40$

Same as,

From pattern - III $\rightarrow 28 - ? + 20 = 43$

$$48 - 43 = ?$$

$$? = 5$$

6. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 8 (b) 10
(c) 12 (d) 6

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

From pattern I

$$\frac{(8+2)+(12+4)}{2} = \frac{26}{2} = 13$$

From pattern II

$$\frac{(16+4)+(24+8)}{2} = \frac{52}{2} = 26$$

Same as,

From pattern III

$$\frac{(14+2)+(22+?)}{2} = 22$$

$$16 + 22 + ? = 44$$

$$? = 44 - 38$$

$$? = 6$$

7. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

9	5	5
5	7	?
3	4	5
135	140	150

- (a) 6 (b) 4
(c) 10 (d) 8

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

In first Column, $9 \times 5 \times 3 = 135$

In second Column, $5 \times 7 \times 4 = 140$

Same as,

In third Column, $5 \times ? \times 5 = 150$

$$? \times 25 = 150$$

$$? = 6$$

8. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

4	3	8
9	7	2
8	6	4
44	27	?

- (a) 84 (b) 14
(c) 20 (d) 64

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (c) : Just as,

From Column I,

$$4 \times 9 + 8 = 44$$

From Column II,

$$3 \times 7 + 6 = 27$$

Similarly

From Column III,

$$8 \times 2 + 4 = 20$$

9. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

(The same relationship exists among the numbers in each row.)

A. 25, 39, 14

B. 18, 51, ?

C. 63, 72, 9

- (a) 33 (b) 42
(c) 29 (d) 38

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$$(a) 25 = 39 - 14$$

$$(c) 63 = 72 - 9$$

$$25 = 25$$

$$63 = 63$$

Similarly,

$$18 = 51 - ?$$

$$? = 51 - 18$$

Hence, $[? = 33]$

10. Select the number from among the given options that can replace the question mark (?) in the following table

21	18	9
42	?	18
84	72	36

- (a) 24 (b) 35
(c) 36 (d) 26

RRB NTPC 20.01.2021 (Shift-I) Stage Ist



Ans. (c) : Just as,

$$21 \times 2 = 42$$

$$42 \times 2 = 84$$

Similarly,

$$18 \times 2 = 36$$

$$36 \times 2 = 72$$

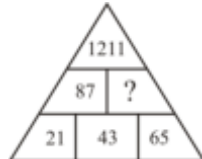
Hence $? = 36$

And,

$$9 \times 2 = 18$$

$$18 \times 2 = 36$$

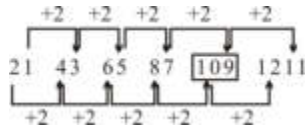
11. Select the number from among the given options that can replace the question mark (?) in the following pattern.



- (a) 109 (b) 98
(c) 1110 (d) 90

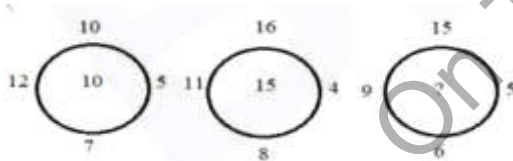
RRB NTPC 20.01.2021 (Shift-I) Stage Ist

Ans. (a) : In the given figure, the numbers increasing in the following manner.



Therefore $? = 109$

12. Study the given pattern carefully and select the number that can replace the question mark (?) in it



- (a) 14 (b) 12
(c) 9 (d) 13

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

$$(12 - 7) + (10 - 5) = 10$$

$$5 + 5 = 10$$

$$10 = 10$$

In the same way,

$$(9 - 6) + (15 - 5) = ?$$

$$3 + 10 = ?$$

$$13 = ?$$

And,

$$(11 - 8) + (16 - 4) = 15$$

$$3 + 12 = 15$$

$$15 = 15$$

13. Study the given pattern carefully and select the number that can replace the question mark (?) in the third figure.



- (a) 16 (b) 2
(c) 21 (d) 3

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

$$12 + 3 = 15$$

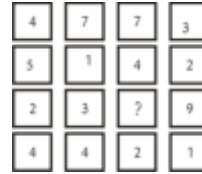
$$\text{and } 9 + 12 = 21$$

In the same way,

$$8 + 14 = 22$$

Hence, (?) will be replaced by 2

14. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 5 (b) 1
(c) 11 (d) 2

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

From column I,

$$4 + 5 + 2 + 4 = 15$$

From column II,

$$7 + 1 + 3 + 4 = 15$$

From column IV,

$$3 + 2 + 9 + 1 = 15$$

Similarly,

From column III,

$$7 + 4 + ? + 2 = 15$$

$$= 13 + ? = 15$$

$$? = 2$$

15. Of the three given equations, the first two are solved on the basis of a certain system. Find the correct answer for the unsolved third equation on the same basis.

$$32 \times 34 = 96$$

$$25 \times 14 = 29$$

$$18 \times 51 = ?$$

- (a) 58 (b) 15
(c) 18 (d) 59

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

$$32 \times 34 \equiv (3 \times 3) \& (2 + 4) \equiv 96$$

$$25 \times 14 \equiv (2 \times 1) \& (5 + 4) \equiv 29$$

Same as,

$$18 \times 51 \equiv (1 \times 5) \& (8 + 1) \equiv 59$$

16. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.



- (a) 6 (b) 11
(c) 18 (d) 7

RRB NTPC 09.02.2021 (Shift-I) Stage Ist



Ans. (a) : Just as,

$$4 \times 8 - 6 \times 2 = 20$$

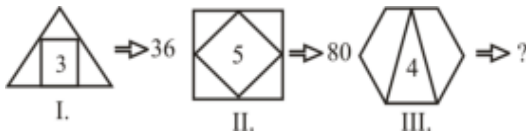
And, $8 \times 6 - 5 \times 6 = 18$

Same as,

$$9 \times 2 - 4 \times 3 = 6$$

Hence, ? = 6

17. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.



- (a) 90 (b) 72
(c) 24 (d) 100

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

$$= 3 \times 3 \text{ (Side of triangle)} \times 4 \text{ (Side of rectangle)} = 36$$

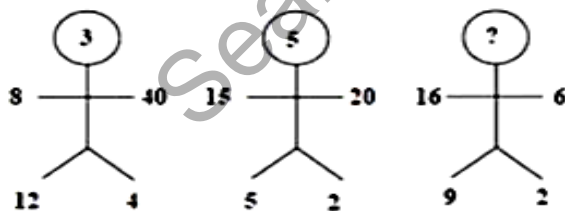
And,

$$= 5 \times 4 \text{ (Side of square)} \times 4 \text{ (Side of inner square)} = 80$$

Same as,

$$= 4 \times 6 \text{ (Side of Hexagon)} \times 3 \text{ (Side of Triangle)} = 72$$

18. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 18 (b) 22
(c) 2 (d) 4

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Ans. (c) : Just as,

$$8 + 40 = 48$$

$$12 + 4 = 16$$

$$\frac{48}{16} = 3$$

And,

$$15 + 20 = 35$$

$$5 + 2 = 7$$

$$\frac{35}{7} = 5$$

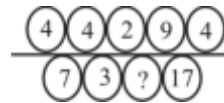
Similarly,

$$16 + 6 = 22$$

$$9 + 2 = 11$$

$$\frac{22}{11} = 2$$

19. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 5 (b) 10
(c) 11 (d) 8

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

$$\frac{4 \times 4 - 2}{2} = 7$$

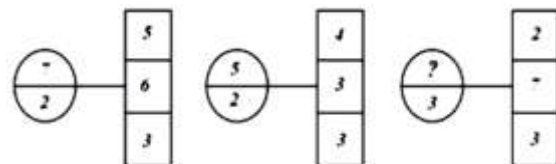
$$\frac{4 \times 2 - 2}{2} = 3$$

$$\frac{9 \times 4 - 2}{2} = 17$$

Similarly,

$$\frac{2 \times 9 - 2}{2} = 8$$

20. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 4 (b) 15
(c) 12 (d) 9

RRB NTPC 23.02.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$$7 \times 2 = 5 + 6 + 3$$

$$14 = 14$$

And, $5 \times 2 = 4 + 3 + 3$

$$10 = 10$$

Similarly,

$$3 \times ? = 2 + 7 + 3$$

$$3 \times ? = 12$$

$$? = 12/3 = 4$$



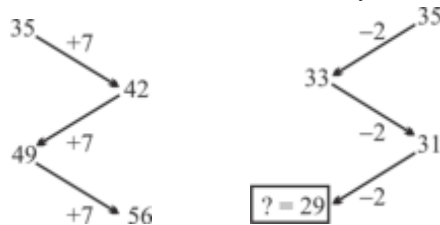
21. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

35	35
33	42
49	31
?	56

- (a) 33 (b) 29
(c) 45 (d) 47

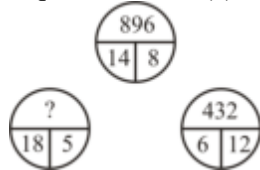
RRB NTPC 23.02.2021 (Shift-I) Stage Ist

Ans. (b) : The diagonal relationship between the numbers in the given pattern is as follows,
Just as,



So, on the place of question mark there will be number 29.

22. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?).



- (a) 120 (b) 600
(c) 185 (d) 450

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

$$14 \times (8)^2 = 896$$

And,

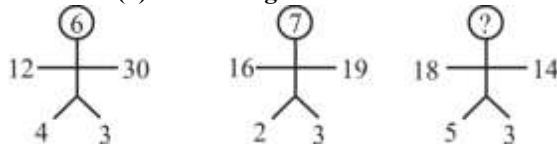
$$12 \times (6)^2 = 432$$

Same as,

$$18 \times (5)^2 = 450$$

In this, the square of the number made up of one digit is multiplied by the given two digit number to get the third number.

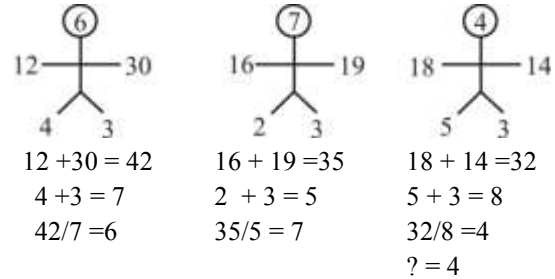
23. Study the given pattern carefully and select the number that will come in place of question mark (?) in third figure.



- (a) 7 (b) 5
(c) 2 (d) 4

RRB NTPC 01.04.2021 (Shift-II) Stage Ist

Ans. (d)



Hence, option (d) is correct.

24. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?).



- (a) 8 (b) 5
(c) 9 (d) 7

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

$$10 \times 8 = 80$$

$$\text{And, } 9 \times 7 = 63$$

$$80 = 80$$

$$63 = 63$$

Same as,

$$8 \times 6 = 48$$

$$48 = 48$$

$$\boxed{? = 8}$$

25. Study the given table carefully and select the number from among the given option that can replace the question mark (?).

9	8
17	8
25	16
?	8
49	8
57	16

- (a) 41 (b) 49
(c) 33 (d) 32

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (a) : Given series are as follows –

$$9 + 8 = 17$$

$$17 + 8 = 25$$

$$25 + 16 = 41$$

$$41 + 8 = 49$$

$$49 + 8 = 57$$

Hence, 41 will be on the place of question mark.



26. Study the pattern carefully and select the number that will come in place of the question mark (?)

18	25	31
17	18	7
16	20	12
19	?	26

- (a) 25 (b) 23
(c) 24 (d) 21

RRB NTPC 31.01.2021 (Shift-I) Stage Ist

Ans. (b) :

Just as,

From Column I,

$$18 + 17 = 16 + 19$$

$$35 = 35$$

From Column III,

$$31 + 7 = 12 + 26$$

$$38 = 38$$

Similarly,

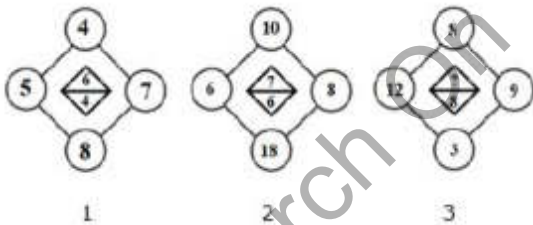
From Column II,

$$25 + 18 = 20 + ?$$

$$43 - 20 = ?$$

$$? = 23$$

27. Understand the pattern and select the number that can replace the question mark (?) in the third figure.



- (a) 10 (b) 6
(c) 12 (d) 4

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

Figure 1,

$$5 + 4 + 7 + 8 = 6 \times 4$$

$$24 = 24$$

Figure 2,

$$6 + 10 + 8 + 18 = 7 \times 6$$

$$42 = 42$$

Similarly,

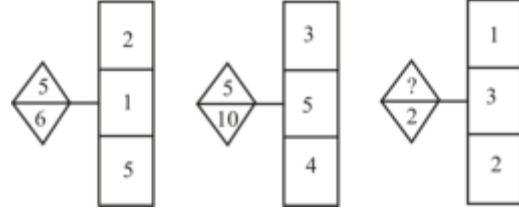
Figure 3,

$$12 + 8 + 9 + 3 = ? \times 8$$

$$32 = ? \times 8$$

$$4 = ?$$

28. Understand the pattern and select the number that can replace the question mark (?) in the third figure.



- (a) 6 (b) 7
(c) 5 (d) 4

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (b) : Just as,

Figure I, $2^2 + 1^2 + 5^2 = 5 \times 6$

$$4 + 1 + 25 = 30$$

$$30 = 30$$

Figure 2, $3^2 + 5^2 + 4^2 = 5 \times 10$

$$9 + 25 + 16 = 50$$

$$50 = 50$$

Similarly,

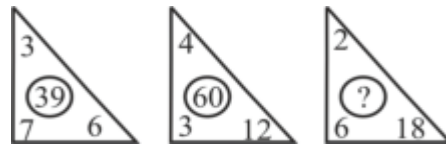
Figure 3, $1^2 + 3^2 + 2^2 = ? \times 2$

$$1 + 9 + 4 = ? \times 2$$

$$14 = ? \times 2$$

$$7 = ?$$

29. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 48 (b) 26
(c) 30 (d) 24

RRB NTPC 04.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as,

From figure I,

$$7 + 6 = 13 \times 3 = 39$$

From figure II,

$$3 + 12 = 15 \times 4 = 60$$

Same as,

From figure III,

$$6 + 18 = 24 \times 2 = 48$$

30. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

6	38	9	21	4	6
10	8	15	4	6	?

- (a) 16 (b) 3
(c) 1 (d) 60

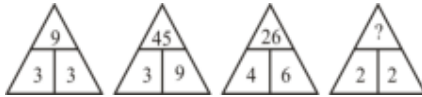
RRB NTPC 05.03.2021 (Shift-II) Stage Ist



Ans. (b) : Just as,
 $(6 \times 8) - 10 = 38$
 and $(9 \times 4) - 15 = 21$
 Similarly,
 $(4 \times ?) - 6 = 6$
 $4 \times ? = 12$
 $? = 3$

Hence, the number 3 will come in place of the question mark (?).

31. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 4 (b) 100
 (c) 2 (d) 8

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as In first triangle

$$= \frac{3^2 + 3^2}{2} = \frac{18}{2} = 9$$

And In second triangle

$$= \frac{3^2 + 9^2}{2} = \frac{90}{2} = 45$$

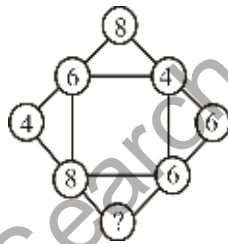
And In third triangle $= \frac{4^2 + 6^2}{2} = \frac{52}{2} = 26$

Similarly,

In fourth triangle

$$= \frac{2^2 + 2^2}{2} = \frac{8}{2} = 4$$

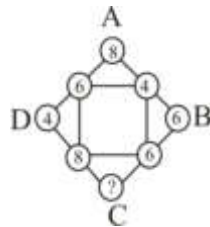
32. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 5 (b) 8
 (c) 4 (d) 6

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (d) :



In this, the sum of the digits on the four sides (AB, BC, CD, DA) of the outside square is 18.

Hence, $8 + x + 4 = 18$

$$x = 18 - 12$$

$$x = 6$$

33. Study the given figure carefully and select the number that can replace the 'X'?

5	9	13	15
14	19	24	32
9	10	11	17
32	19	X	33
23	9	6	16

- (a) 22 (b) 49
 (c) 17 (d) 28

RRB NTPC 13.03.2021 (Shift-II) Stage Ist

Ans. (c) : Given,

-	5	9	13	15	+
⇒	14	19	24	32	⇒
	9	10	11	17	
+	32	19	X	33	⇒
	23	9	6	16	

and Column II

$$9 + 10 = 19$$

$$10 + 9 = 19$$

Just as,

From column I,

$$5 + 9 \Rightarrow 14$$

$$9 + 23 \Rightarrow 32$$

Similarly,

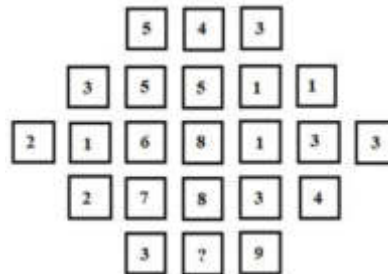
From column III,

$$13 + 11 \Rightarrow 24$$

$$11 + 6 \Rightarrow 17$$

Hence, 17 will replace X.

34. Select the number that can replace the question mark (?) in the following figure.



- (a) 4 (b) 9
 (c) 5 (d) 6

RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

$$\frac{5+3}{2} = 4 \text{ (Middle number)}$$

$$\text{And, } \frac{5+3+1+1}{2} = 5 \text{ (Middle number)}$$

$$\text{And, } \frac{2+1+6+1+3+3}{2} = 8 \text{ (Middle number)}$$

$$\text{And, } \frac{2+7+3+4}{2} = 8 \text{ (Middle number)}$$

$$\text{Similarly, } \frac{3+9}{2} = ?$$

$$? = 6$$



35. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?).

7	8	5	8
6	5	4	1
5	2	2	3
12	30	12	?

- (a) 35 (b) 24
(c) 28 (d) 49

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (a) : Just as,

In Column I-

$$(7 \times 6) - (6 \times 5) = 42 - 30 = 12$$

In Column II-

$$(8 \times 5) - (5 \times 2) = 40 - 10 = 30$$

In Column III-

$$(5 \times 4) - (4 \times 2) = 20 - 8 = 12$$

Similarly,

In Column IV-

$$(8 \times 7) - (7 \times 3) = 56 - 21 = 35$$

Hence, $\boxed{? = 35}$

36. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

4	7	13
5	7	13
6	9	?

- (a) 12 (b) 9
(c) 13 (d) 7

RRB NTPC 19.01.2021 (Shift-I) Stage Ist

Ans. (b) : Given data,

4	7	13
5	7	13
6	9	?

Just as,

$$4^2 = 16 \rightarrow 1 + 6 = 7 \text{ And } 7^2 = 49 \rightarrow 4 + 9 = 13$$

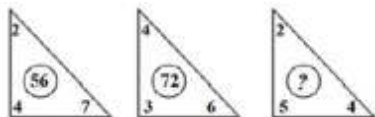
$$5^2 = 25 \rightarrow 2 + 5 = 7 \text{ And } 7^2 = 49 \rightarrow 4 + 9 = 13$$

Same as,

$$6^2 = 36 \rightarrow 3 + 6 = 9, \quad 9^2 = 81 \rightarrow 8 + 1 = 9$$

Hence, option (b) is correct.

37. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 11 (b) 30
(c) 86 (d) 40

RRB NTPC 09.03.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

From figure (i) and (ii),

$$2 \times 4 \times 7 \rightarrow 56$$

$$4 \times 3 \times 6 \rightarrow 72$$

Same as,

From figure (iii),

$$2 \times 5 \times 4 \rightarrow 40$$

Hence $\boxed{? = 40}$

38. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 15 (b) 11
(c) 7 (d) 12

RRB NTPC 11.03.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

In first figure,

$$3 \times 3 \times 2 \times 5 = 90$$

$$15 \times 6 = 90$$

In second figure,

$$4 \times 2 \times 1 \times 6 = 48$$

$$12 \times 4 = 48$$

Same as,

In third figure,

$$3 \times 2 \times 2 \times 4 = 48$$

$$4 \times x = 48$$

$$x = 12$$

39. Study the given pattern carefully and select the number which can come in place of question mark (?) in it.

$$6, 5, 15, 10 = 91$$

$$8, 20, 7, 9 = 157$$

$$4, 13, 12, 18 = ?$$

- (a) 112 (b) 178
(c) 198 (d) 222

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (b) : Just as,

$$6, 5, 15, 10 = 91$$

$$\text{L.H.S.} = 6 + 5 \times 15 + 10$$

$$= 6 + 75 + 10 = 91 = \text{R.H.S.}$$

$$8, 20, 7, 9 = 157$$

And,

$$\text{L.H.S.} = 8 + 20 \times 7 + 9 = 8 + 140 + 9 = 157 = \text{R.H.S.}$$

Same as,

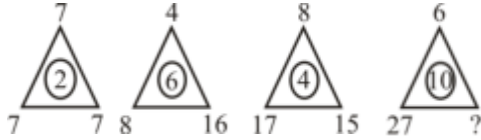
$$4, 13, 12, 18 = ?$$

$$\text{L.H.S.} = 4 + 13 \times 12 + 18$$

$$= 4 + 156 + 18 = 178 = \text{R.H.S.}$$



40. Study the given pattern carefully and select the number from the given options that can replace the question mark (?) in it.



- (a) 27 (b) 33
(c) 9 (d) 25

RRB NTPC 24.07.2021 (Shift-II) Stage Ist

Ans. (b) : Just as,

$$\begin{aligned} \triangle \begin{matrix} 7 \\ \textcircled{2} \\ 7 \end{matrix} &\Rightarrow \frac{7+7}{2} = \frac{14}{2} = 7 \\ \triangle \begin{matrix} 4 \\ \textcircled{6} \\ 8 \end{matrix} &\Rightarrow \frac{8+16}{6} = \frac{24}{6} = 4 \\ \triangle \begin{matrix} 8 \\ \textcircled{4} \\ 17 \end{matrix} &\Rightarrow \frac{17+15}{4} = \frac{32}{4} = 8 \end{aligned}$$

Same as,

$$\begin{aligned} \triangle \begin{matrix} 6 \\ \textcircled{10} \\ 27 \end{matrix} &\Rightarrow \frac{27+?}{10} = 6 \\ \Rightarrow 27+? &= 6 \times 10 \\ \Rightarrow 27+? &= 60 \\ ? &= 60 - 27 \\ ? &= 33 \end{aligned}$$

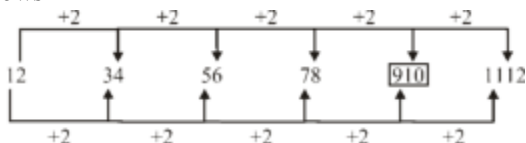
41. Study the given pattern carefully and select the number from among the given options that can replace the question marks(?)



- (a) 190 (b) 808
(c) 910 (d) 901

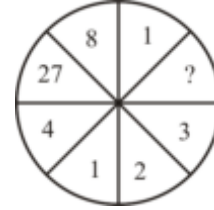
RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (c) : In the given pattern order of number is as follows—



Hence, ? = 910

42. Study the given pattern carefully and select the number from the given options that can replace the question mark (?) in it.



- (a) 22 (b) 64
(c) 32 (d) 48

RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

$$\begin{aligned} (1)^3 &= 1 \\ (2)^3 &= 8 \\ (3)^3 &= 27 \end{aligned}$$

Same as,

$$(4)^3 = ?$$

Hence, ? = 64

43. Study the given pattern carefully and select the number that represents the value of x.

36	25	16	9	4
361	x	289	256	225

- (a) 336 (b) 298
(c) 316 (d) 324

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

$$\begin{aligned} 36, 25, 16, 9, 4 \\ \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \\ 6^2, 5^2, 4^2, 3^2, 2^2 \end{aligned}$$

Similarly,

$$\begin{aligned} 361, 324, 289, 256, 225 \\ \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \\ 19^2, 18^2, 17^2, 16^2, 15^2 \end{aligned}$$

Hence, x = 324.

44. In the above table, which two numbers will replace alphabet A and B, respectively?

9	3	27	36
16	4	64	80
64	8	512	576
A	7	343	B

- (a) 121 and 478 (b) 25 and 278
(c) 36 and 336 (d) 49 and 392

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

$$\begin{aligned} 9 \times 3 &= 27, & \therefore 27+9 &= 36 \\ 16 \times 4 &= 64, & \therefore 64+16 &= 80 \\ 64 \times 8 &= 512, & \therefore 512+64 &= 576 \end{aligned}$$

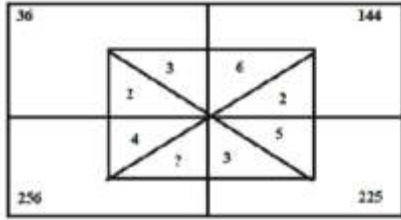
Similarly,

$$\begin{aligned} A \times 7 &= 343 \Rightarrow A = 343 \div 7 \Rightarrow A = 49 \\ \therefore 343 + A &= B \Rightarrow 343 + 49 = B \Rightarrow B = 392 \end{aligned}$$

Hence, option (d) is right.



45. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?).



- (a) 6 (b) 4
(c) 2 (d) 8

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

$$3 \times 2 = 6 \Rightarrow 6 \times 6 = 36$$

$$6 \times 2 = 12 \Rightarrow 12 \times 12 = 144$$

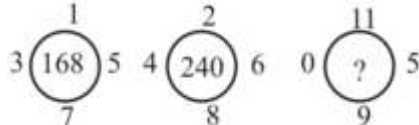
$$3 \times 5 = 15 \Rightarrow 15 \times 15 = 225$$

Similarly,

$$4 \times 4 = 16 \Rightarrow 16 \times 16 = 256$$

Hence, $? = 4$

46. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?).



- (a) 216 (b) 227
(c) 156 (d) 454

RRB NTPC 23.01.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

From pattern I,

$$\begin{aligned} & [(3)^2 + (1)^2 + (5)^2 + (7)^2] \times 2 \\ &= (9 + 1 + 25 + 49) \times 2 \\ &= 84 \times 2 \\ &= 168 \end{aligned}$$

And from pattern II,

$$\begin{aligned} & [(4)^2 + (2)^2 + (6)^2 + (8)^2] \times 2 \\ &= (16 + 4 + 36 + 64) \times 2 \\ &= 120 \times 2 \\ &= 240 \end{aligned}$$

Similarly,

From pattern III,

$$\begin{aligned} & [(0)^2 + (11)^2 + (5)^2 + (9)^2] \times 2 \\ &= (0 + 121 + 25 + 81) \times 2 \\ &= 227 \times 2 \\ &= 454 \end{aligned}$$

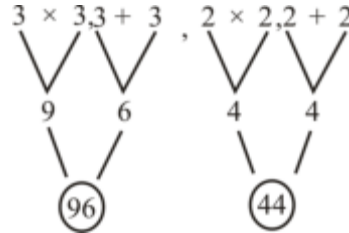
47. Study the given table carefully and select the number from among the given options that can replace the question mark (?).

3	2	1
3	2	1
96	44	?

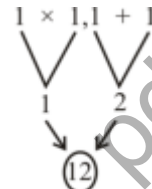
- (a) 14 (b) 11
(c) 13 (d) 12

RRB NTPC 28.01.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

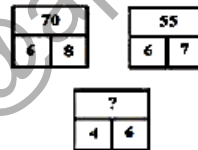


Same as,



Hence, 12 will come in place of "?".

48. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 40 (b) 65
(c) 100 (d) 45

RRB NTPC 10.02.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

From pattern I,

$$(8)^2 + 6 = 64 + 6 = 70$$

And,

From pattern II,

$$(7)^2 + 6 = 49 + 6 = 55$$

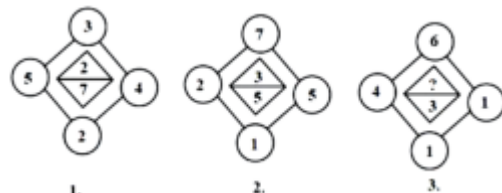
Similarly,

From pattern III,

$$(6)^2 + 4 = 36 + 4 = 40$$

Hence $? = 40$

49. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 2 (b) 4
(c) 7 (d) 6

RRB NTPC 22.02.2021 (Shift-II) Stage Ist



Ans. (b) : Just as-

In figure I-

$$7 \times 2 = 5 + 3 + 4 + 2$$

$$14 = 14$$

And

In figure II-

$$3 \times 5 = 2 + 7 + 5 + 1$$

$$15 = 15$$

Similarly,

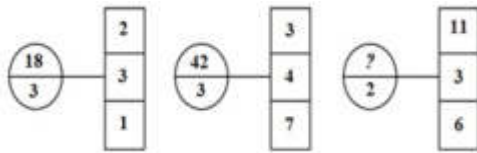
In figure III-

$$3 \times ? = 4 + 6 + 1 + 1$$

$$3 \times ? = 12$$

$$? = \boxed{4}$$

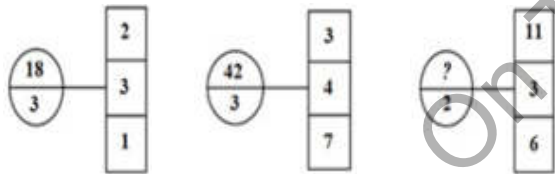
50. Study the given pattern carefully and select the number that can replace the question mark(?) in it.



- (a) 22 (b) 40
(c) 68 (d) 11

RRB NTPC 08.03.2021 (Shift-I) Stage Ist

Ans. (b) : From question,



$$\frac{18}{3} = 2 + 3 + 1, \quad \frac{42}{3} = 3 + 4 + 7, \quad \frac{?}{2} = 11 + 3 + 6$$

$$6 = 6, \quad 14 = 14, \quad ? = 20 \times 2 = 40$$

Hence, $?\boxed{=40}$

51. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

15	10	5	20
27	11	8	30
45	10	15	?

- (a) 30 (b) 10
(c) 40 (d) 20

RRB NTPC 13.03.2021 (Shift-I) Stage Ist

Ans. (c) :

Just as,

From Ist row-

$$15 + 10 - 5 = 20$$

From IInd row-

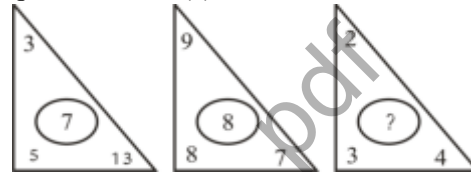
$$27 + 11 - 8 = 30$$

Same as,

From IIIrd row-

$$45 + 10 - 15 = 40$$

52. Study the pattern given below carefully and select the number which can come in place of question mark (?) in it.



- (a) 3 (b) 9
(c) 5 (d) 6

RRB NTPC 19.03.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

From figure I,

$$\frac{3 + 5 + 13}{3} = 7$$

From figure II,

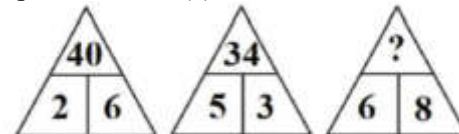
$$\frac{9 + 8 + 7}{3} = 8$$

Similarly,

From figure III,

$$\frac{2 + 3 + 4}{3} = \boxed{3}$$

53. Study the given pattern carefully and select the number which can come in the place of question mark (?) from the alternatives.



- (a) 100 (b) 144
(c) 196 (d) 96

RRB NTPC 24.07.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

From figure I,

$$2^2 + 6^2 = 4 + 36 = 40$$

And,

From figure II,

$$5^2 + 3^2 = 25 + 9 = 34$$

Similarly,

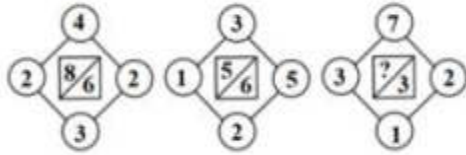
From figure III,

$$6^2 + 8^2 = 36 + 64 = 100$$

Hence, $?\boxed{=100}$



54. Study the given pattern carefully and select the number from among the given option that can replace the question mark (?) in it.



- (a) 14 (b) 11
(c) 5 (d) 7

RRB NTPC 31.07.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$$\left. \begin{array}{l} 4 \times 2 = 8 \\ 2 \times 3 = 6 \end{array} \right\} = \boxed{8/6}$$

Similarly,

$$\left. \begin{array}{l} 7 \times 2 = 14 \\ 3 \times 1 = 3 \end{array} \right\} = \boxed{14/3}$$

Hence, 14 will be come in place of question mark.

55. Select the number that come in the place of question mark from following options.

42	44	38
23	55	28
37	?	39

- (a) 22 (b) 33
(c) 66 (d) 77

RRB NTPC 30.04.2016 Shift : II

Ans. (a) : Just as,

$$(42 - 38) \times 11 = 44$$

$$(28 - 23) \times 11 = 55$$

Similarly,

$$(39 - 37) \times 11 = \boxed{22}$$

56. Select the number that come in the place of question mark from following options.

5	6	7
3	4	5
9	10	11
345	460	?

- (a) 535 (b) 577
(c) 755 (d) 775

RRB NTPC 30.04.2016 Shift : II

Ans. (b) : Just as,

From Column (I) = $9 \times 5 = 45 = 345$
(3 is written prior to 45)

And,

From Column (II) = $10 \times 6 = 60 = 460$

Similarly,

From Column (III) = $11 \times 7 = 77 = 577$

57. Select the number that come in the place of question mark from following options.

3	6	8
5	8	4
4	7	?

- (a) 6 (b) 7
(c) 8 (d) 9

RRB NTPC 30.04.2016 Shift : II

Ans. (a) : Just as,

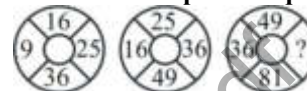
$$\text{From Column I, } \frac{3+5}{2} = \frac{8}{2} = 4$$

$$\text{From Column II, } \frac{6+8}{2} = \frac{14}{2} = 7$$

Similarly,

$$\text{From Column III, } \frac{8+4}{2} = \frac{12}{2} = \boxed{6}$$

58. What will come in the place of question mark.



- (a) 64 (b) 144
(c) 169 (d) 25

RPF Constable 17.01.2019 Shift : I

Ans. (a) : From the first figure,

$$3^2 = 9, 4^2 = 16, 5^2 = 25, 6^2 = 36$$

From the second figure,

$$4^2 = 16, 5^2 = 25, 6^2 = 36, 7^2 = 49$$

From the third figure,

$$6^2 = 36, 7^2 = 49, \boxed{8^2 = 64}, 9^2 = 81$$

Hence, ? = 64

59. What will come in the place of question mark.

6	6	8
5	7	5
4	3	?
120	126	320

- (a) 4 (b) 8
(c) 12 (d) 14

RRB NTPC 30.04.2016 Shift : I

Ans. (b) : From the first column,

$$6 \times 5 \times 4 = 120$$

From the second column,

$$6 \times 7 \times 3 = 126$$

From the third column,

$$8 \times 5 \times ? = 320$$

$$? = \frac{320}{40} = 8 \quad \boxed{? = 8}$$

60. What will come in the place of question mark.

13	54	?
7	45	32
27	144	68

- (a) 4 (b) 6
(c) 36 (d) 42

RRB NTPC 30.04.2016 Shift : I



Ans. (a) : From the first column,

$$13 + (7 \times 2) = 13 + 14 = 27$$

From the second column,

$$54 + (45 \times 2) = 54 + 90 = 144$$

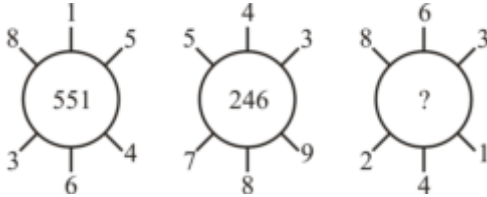
From the third column,

$$? + (32 \times 2) = 68$$

$$? = 68 - 64$$

$$\boxed{? = 4}$$

61. Find the number in the place of question mark.



(a) 262

(b) 622

(c) 631

(d) 824

RPF Constable 17.01.2019 Shift : III

Ans. (b) : Just as,

$$(8-3), (6-1), (5-4) = 551$$

And,

$$(7-5), (8-4), (9-3) = 246$$

Similarly,

$$(8-2), (6-4), (3-1) = \boxed{622}$$

62. Find the number in the place of question mark



(a) 45

(b) 29

(c) 39

(d) 37

RRB NTPC 29.04.2016 Shift : II

Ans. (c) : It is clear from the above diagram that

$$3 \times 2 - 1 = 5$$

$$5 \times 2 - 2 = 8$$

$$8 \times 2 - 3 = 13$$

$$13 \times 2 - 4 = 22$$

$$22 \times 2 - 5 = \boxed{39}$$

Hence, 39 will become in place of question mark.

63. Find the number in the place of question mark.



(a) 13

(b) 14

(c) 12

(d) 15

RRB NTPC 29.04.2016 Shift : II

Ans. (a) : Just as,

$$2 \times 2 - 1 = 3 \quad 2 \rightarrow 3$$

$$5 \times 2 - 1 = 9 \quad 5 \rightarrow 9$$

$$6 \times 2 - 1 = 11 \quad 6 \rightarrow 11$$

Similarly,

$$7 \times 2 - 1 = 13 \quad 7 \rightarrow 13$$

Hence, $? = 13$

64. Select the number that come in the place of question mark from following options.

1	2	3
11	7	5
120	45	?

(a) 19

(b) 17

(c) 16

(d) 15

RRB NTPC 27.04.2016 Shift : I

Ans. (c) : Just as,

$$(11)^2 = (1)^2 + 120 = 121$$

$$(7)^2 = (2)^2 + 45 = 49$$

Similarly, $5^2 = 3^2 + x$

$$x = 25 - 9 = 16$$

65. Select the number that come in the place of question mark from following options.

3	15	4
7	38	5
3	?	5

(a) 15

(b) 18

(c) 19

(d) 20

RRB NTPC 27.04.2016 Shift : I

Ans. (b) : From rows,

Just as,

$$(3 \times 4) + 3 = 15$$

$$(7 \times 5) + 3 = 38$$

Similarly,

$$(3 \times 5) + 3 = ?$$

Hence, $\boxed{? = 18}$

66. Select the number that come in the place of question mark from following options.

18	24	32
12	14	16
3	?	4
72	112	128

(a) 2

(b) 3

(c) 4

(d) 5

RRB NTPC 27.04.2016 Shift : I

Ans. (b) : Just as,

$$(18 \div 3) \times 12 = 72$$

$$(32 \div 4) \times 16 = 128$$

Similarly, $(24 \div x) \times 14 = 112$

$$\frac{24}{x} = 8$$

$$x = 3$$

Hence, $\boxed{? = 3}$



67. Select the number that come in the place of question mark from following options.

13	12	5
17	15	8
25	24	?
29	21	20

- (a) 7 (b) 9
(c) 15 (d) 11

RRB NTPC 27.04.2016 Shift : I

Ans. (a) Just as,

$$13^2 = 12^2 + 5^2 = 144 + 25 = 169$$

$$17^2 = 15^2 + 8^2 = 225 + 64 = 289$$

$$29^2 = 21^2 + 20^2 = 441 + 400 = 841$$

Similarly,

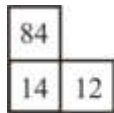
$$25^2 = 24^2 + x^2$$

$$x^2 = 625 - 576 = 49$$

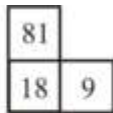
$$x = 7$$

Hence, $\boxed{? = 7}$

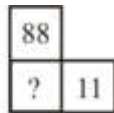
68. Assuming that the numbers in each of the following figures follow a similar pattern, select the option that can replace the question mark (?) in figure C.



A



B



C

- (a) 81 (b) 21
(c) 61 (d) 16

RPF Constable 18.01.2019 Shift : I

Ans. (d) : Just as,

$$84 \div 12 \times 2 = 14$$

$$81 \div 9 \times 2 = 18$$

Similarly,

$$88 \div 11 \times 2 = \boxed{16}$$

So, '?' will be replaced by 16.

69. Assuming that the numbers in each of the following figures follow a similar pattern, select the option that can replace the question mark (?) in figure C.



A



B

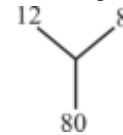


C

- (a) 210 (b) 321
(c) 184 (d) 241

RPF SI 16.01.2019 Shift : III

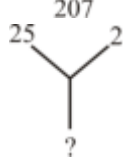
Ans. (c) : From question,



$$\begin{array}{l} 12 - 8 = 4 \\ 12 + 8 = 20 \end{array} \Rightarrow 20 \times 4 = 80$$



$$\begin{array}{l} 16 - 7 = 9 \\ 16 + 7 = 23 \end{array} \Rightarrow 23 \times 9 = 207$$



$$\begin{array}{l} 25 - 21 = 4 \\ 25 + 21 = 46 \end{array} \Rightarrow 46 \times 4 = 184$$

Hence, $? = 184$.

70. Which of the following number will come in the place of question mark in given figure below?

2	4	0
1	2	4
3	1	3
36	?	91

- (a) 25 (b) 59
(c) 48 (d) 73

RRB NTPC 12.04.2016 Shift : I

Ans. (d) : Just as,

$$(2)^3 + (1)^3 + (3)^3 = 8 + 1 + 27 = 36$$

And,

$$(0)^3 + (4)^3 + (3)^3 = 64 + 27 = 91$$

Similarly,

$$(4)^3 + (2)^3 + (1)^3 = 64 + 8 + 1 = \boxed{73}$$

Hence, $\boxed{? = 73}$

Type – 2 : Problems Based on Missing Letter

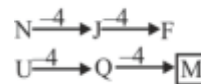
71. Study the given pattern carefully and select the letter that can replace the question mark (?) in it



- (a) P (b) Q
(c) M (d) O

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question,



Hence, $? = M$



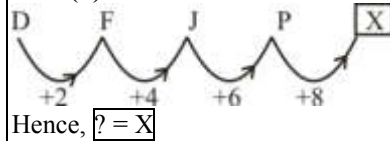
72. Study the pattern given below carefully and select the letter which can come in the place of question mark (?) in it.

(D) (F) (J) (P) (?)

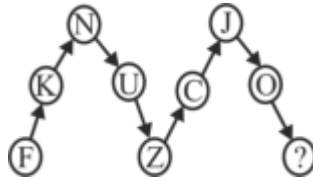
- (a) W (b) X
(c) U (d) V

RRB NTPC 19.03.2021 (Shift-I) Stage Ist

Ans. (b) : Given series is as follows-



73. Study the given pattern carefully and select the letter that can replace the question mark (?) in it



- (a) P (b) S
(c) R (d) L

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (c) : The series is as follows-

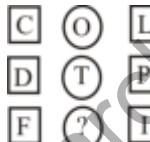
F $\xrightarrow{+5}$ K $\xrightarrow{+3}$ N $\xrightarrow{+7}$ U

U $\xrightarrow{+5}$ Z $\xrightarrow{+3}$ C $\xrightarrow{+7}$ J

J $\xrightarrow{+5}$ O $\xrightarrow{+3}$ R

Hence, ? = R

74. Study the given pattern carefully and select the letter from among the given options that can replace the question mark (?) in it.



- (a) O (b) S
(c) T (d) P

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (a) : In the given pattern,

Just as,

C O L $\Rightarrow C + L = O$
(3) + (12) = (15)

And,

D T P $\Rightarrow D + P = T$
(4) + (16) = (20)

Same as,

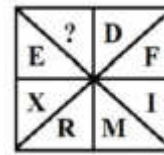
F ? I $\Rightarrow F + I = ?$
(6) + (9) = ?

So, ? = F + I = O

6 + 9 = 15

Note: The given letters are added with their place value in English alphabet.

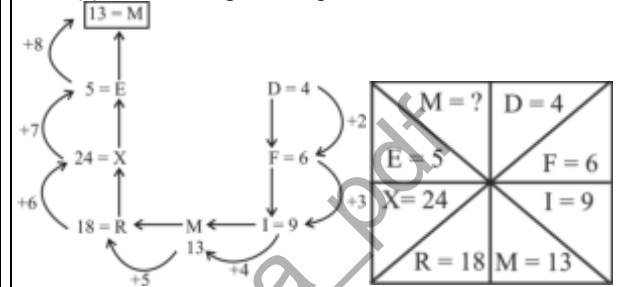
75. Select the letter that can replace the question mark (?) in the figure below.



- (a) X (b) W
(c) M (d) P

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,



76. Study the given pattern carefully and select the letter that can replace the question mark (?) in it

N	R	V
Q	M	?
P	T	X
O	K	G

- (a) Z (b) H
(c) I (d) W

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (c) : In first row, N $\xrightarrow{+4}$ R $\xrightarrow{+4}$ V

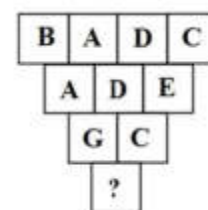
In second row, Q $\xrightarrow{-4}$ M $\xrightarrow{-4}$ I

In third row, P $\xrightarrow{+4}$ T $\xrightarrow{+4}$ X

In fourth row, O $\xrightarrow{-4}$ K $\xrightarrow{-4}$ G

Hence ? = I

77. Select the letter that can replace the question mark (?) in the figure below.



- (a) F (b) J
(c) I (d) H

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (b) : Just as,

B A D C $\rightarrow 2 + 1 + 4 + 3 = 10$

And,

A D E $\rightarrow 1 + 4 + 5 = 10$

Same as,

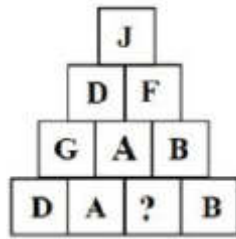
G C $\rightarrow 7 + 3 = 10$

J $\rightarrow 10$

Hence, option (b) is correct.



78. Which letter will replace the question mark in the given diagram?



- (a) C (b) F
(c) A (d) D

RRB NTPC 27.02.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$$J = 10$$

And,

D, F
↓ ↓

$$4 + 6 = 10$$

And,

G A B
↓ ↓ ↓
7 + 1 + 2 = 10

Similarly,

D A ? B

↓ ↓ ↓ ↓

$$4 + 1 + ? + 2 = 10$$

$$? = 10 - 7$$

$$? = 3$$

Hence, $? = C$

79. Study the given pattern carefully and select the alphabet that can replace the question mark (?) in it.



- (a) D (b) T
(c) Z (d) C

RRB NTPC 04.03.2021 (Shift-II) Stage Ist

Ans. (a) : Just as-

$$T = 20$$

And,

$$P + D = 16 + 4 = 20$$

And,

$$F + A + M = 6 + 1 + 13 = 20$$

Same as -

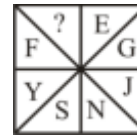
$$F + I + A + ? = 20$$

$$6 + 9 + 1 + ? = 20$$

$$? = 4$$

$$? = D$$

80. Study the given pattern carefully and select the letter that can replace the question mark (?) from the given alternatives?



- (a) X (b) W
(c) P (d) N

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (d) : In the given pattern-

$$E \xrightarrow{+2} G \xrightarrow{+3} J \xrightarrow{+4} N \xrightarrow{+5} S \xrightarrow{+6} Y \xrightarrow{+7} F \xrightarrow{+8} N$$

Hence, $? = N$

81. Study the given pattern carefully and from the given alternatives select the letter which can come in place of the question mark (?)



- (a) A (b) M
(c) F (d) E

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (d) : In the given pattern-

Just as,

D — Opposite letter —> W

I — Opposite letter —> R

J — Opposite letter —> Q

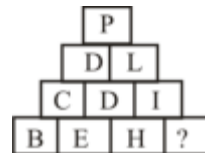
B — Opposite letter —> Y

Similarly,

V — Opposite letter —> E

Hence, there will be E in the place of the question mark(?).

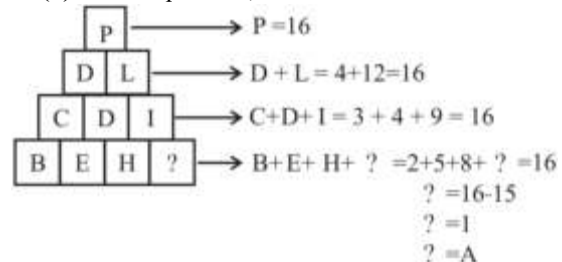
82. Study the given pattern carefully and select the letter that can replace the question mark (?) in it.



- (a) A (b) Z
(c) C (d) T

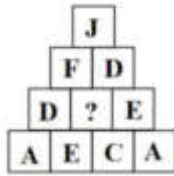
RRB NTPC 09.03.2021 (Shift-II) Stage Ist

Ans. (a) : From question,





83. Study the given pattern carefully and select the letter that can replace the question mark (?) in it.



- (a) F (b) A
(c) B (d) H

RRB NTPC 11.03.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

$$J \Rightarrow 10$$

And,

$$\begin{array}{cc} F & D \\ \downarrow & \downarrow \\ 6 & + & 4 & = & 10 \end{array}$$

And,

$$\begin{array}{cccc} A & E & C & A \\ \downarrow & \downarrow & \downarrow & \downarrow \\ 1 & + & 5 & + & 3 & + & 1 & = & 10 \end{array}$$

Similarly,

$$\begin{array}{ccc} D & ? & E \\ \downarrow & \downarrow & \downarrow \\ 4 & + & ? & + & 5 & = & 10 \\ ? = 10 - 9 = 1 \end{array}$$

Hence ? = A

84. Study the given pattern carefully and select the letter that can replace the question mark (?) in it.



- (a) X (b) U
(c) A (d) W

RRB NTPC 11.03.2021 (Shift-I) Stage Ist

$$\begin{aligned} \text{Ans. (d) : } C + L + D + ? &= E + H + L + Q \\ 3 + 12 + 4 + ? &= 5 + 8 + 12 + 17 \\ ? &= 42 - 19 \\ ? &= 23 \Rightarrow \boxed{W} \end{aligned}$$

85. Study the pattern given below carefully and select the letter which can come in place of question mark (?)

Z			
O		K	
D	U		A
J	B	I	?

- (a) S (b) E
(c) T (d) G

RRB NTPC 12.03.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

$$Z \xrightarrow{\text{Place Value}} \boxed{26}$$

And,

$$\begin{array}{rcl} O & \xrightarrow{\text{Place Value}} & 15 \\ K & \xrightarrow{\text{Place Value}} & +11 \\ & & \hline & & 26 \end{array}$$

And,

$$\begin{array}{rcl} D & \xrightarrow{\text{Place Value}} & 4 \\ U & \xrightarrow{\text{Place Value}} & 21 \\ A & \xrightarrow{\text{Place Value}} & +1 \\ & & \hline & & 26 \end{array}$$

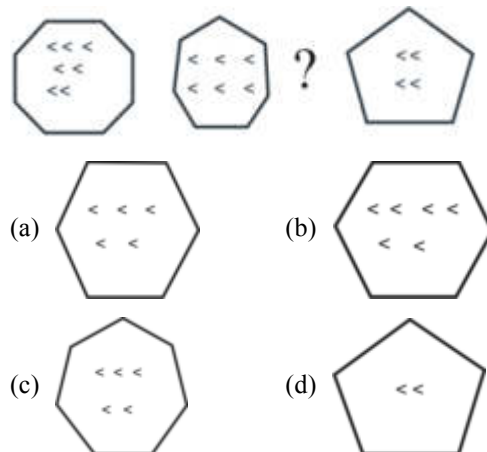
Similarly,

$$\begin{array}{rcl} J & \xrightarrow{\text{Place Value}} & 10 \\ B & \xrightarrow{\text{Place Value}} & 2 \\ I & \xrightarrow{\text{Place Value}} & 9 \\ E & \xrightarrow{\text{Place Value}} & +5 \\ & & \hline & & 26 \end{array}$$

Hence, ? = E

Type - 3 : Problems Based on Missing Figure

86. Select the figure that can replace the question mark (?) in the following series.

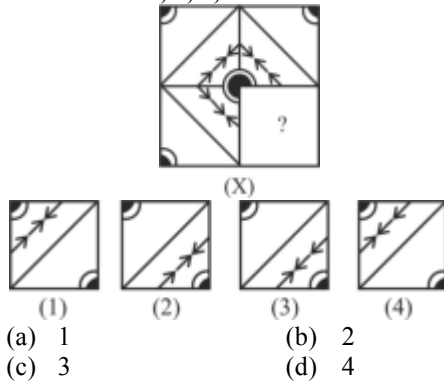


RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (a) : The number of signs inside the figure is 1 less than the number of side in the figure. Hence, option figure (a) is correct answer.



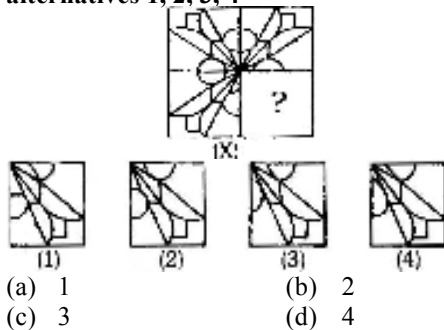
87. Complete the Figure X from the given alternatives 1, 2, 3, 4



RRB NTPC 11.04.2016 Shift : 1

Ans. (d) : In the given option, figure (4) will come in place of the question mark.
So, option (d) is correct.

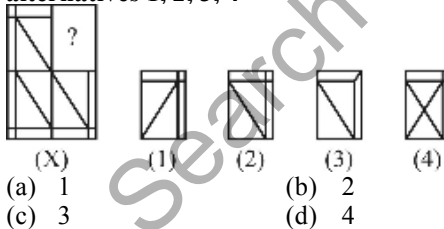
88. Complete the Figure X from the given alternatives 1, 2, 3, 4



RPF SI 10.01.2019 Shift : III

Ans. (b) : Answer figure (2) will complete the given question figure.
Hence, option (b) is correct.

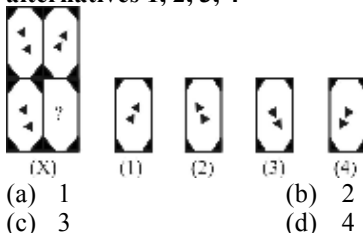
89. Complete the Figure X from the given alternatives 1, 2, 3, 4



RRB NTPC 07.04.2016 Shift : III

Ans. (b) : According to the question, answer figure (2) will complete the question figure.
Hence, option (b) is correct.

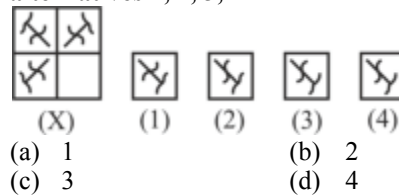
90. Complete the Figure X from the given alternatives 1, 2, 3, 4



RPF SI 05.01.2019 Shift : II

Ans. (a) : Just as on the left side, there is only one type of picture. Same as on the right side, there will be same type of picture.

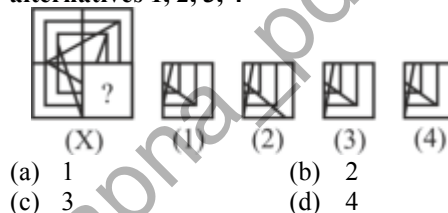
91. Complete the Figure X from the given alternatives 1, 2, 3, 4



RRB NTPC 27.04.2016 Shift : III

Ans. (a) : Answer figure (1) will fill the blank space of the question figure.
Hence, option (a) is correct.

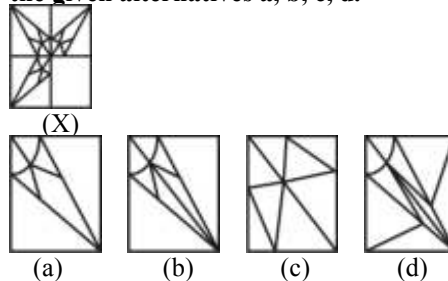
92. Complete the Figure X from the given alternatives 1, 2, 3, 4



RRB NTPC 27.04.2016 Shift : III

Ans. (d) : Answer figure (4) will complete the given question figure.
Hence, option (d) is correct.

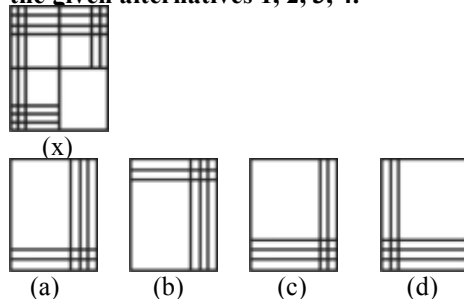
93. Complete the figure x with the help of one of the given alternatives a, b, c, d.



RRB NTPC 26.04.2016 Shift : III

Ans. (a) : Option figure (a) will complete the blank space of the question figure.
Hence, option (a) is correct.

94. Complete the figure x with the help of one of the given alternatives 1, 2, 3, 4.

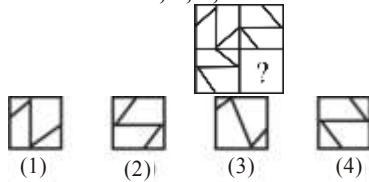


RRB NTPC 26.04.2016 Shift : III

Ans. (c) : Option figure (c) will fill in the blank of the question figure.
Hence, option (c) is correct.



95. Complete the Figure X from the given alternatives 1, 2, 3, 4



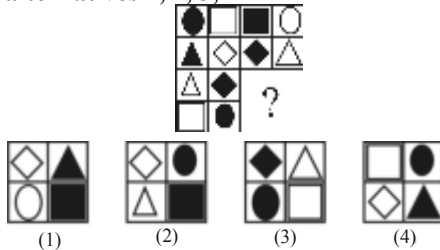
- (a) 1 (b) 2
(c) 3 (d) 4

RRB NTPC 11.04.2016 Shift : III

Ans. (a) : Answer figure (1) will complete the given question figure.

Hence, option (a) is correct.

96. Complete the Figure X from the given alternatives 1, 2, 3, 4

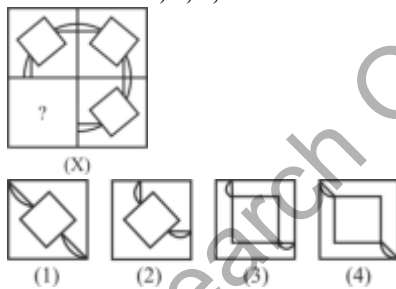


- (a) 1 (b) 2
(c) 3 (d) 4

RRB NTPC 11.04.2016 Shift : III

Ans. (a) : Answer figure (1) will complete the given question figure.

97. Complete the Figure X from the given alternatives 1, 2, 3, 4



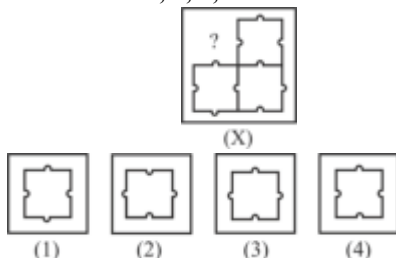
- (a) 1 (b) 2
(c) 3 (d) 4

RPF Constable 24.01.2019 Shift : III

Ans. (b) : Answer figure (2) will complete the given question figure (X).

Hence, option (b) is correct.

98. Complete the Figure X from the given alternatives 1, 2, 3, 4



- (a) 1 (b) 2
(c) 3 (d) 4

- (a) 1 (b) 2
(c) 3 (d) 4

RRB NTPC 11.04.2016 Shift : I

Ans. (b) : Answer figure (2) will complete the pattern of the question figure.

Hence, option (b) is correct.

Type – 4 : Miscellaneous

99. Study the given pattern carefully and select the number that can replace the question mark (?) in it

$$\square + \square + \square = 12$$

$$\square + \square + \square = 15$$

$$\square + \square + \square = 06$$

$$\square + \square + \square = ?$$

- (a) 12 (b) 8
(c) 13 (d) 11

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,

$$\square + \square + \square = 3 \text{ Rectangle} = 12$$

$$\text{Value of one rectangle} = \frac{12}{3} = 4$$

$$\square + \square + \square = 3 \text{ Pentagon} = 15$$

$$\text{Value of one pentagon} = \frac{15}{3} = 5$$

$$\text{And } \square + \square + \square = 3 \text{ circle} = 6$$

$$\text{Value of one circle} = \frac{6}{3} = 2$$

$$\text{Thus, } \square + \square + \square = 4 + 5 + 2 = 11$$

100. What will be come in the place of question mark from following options?

B ₃	D ₃	F ₆
H ₅	J ₆	?
N ₇	P ₉	R ₁₆

- (a) K₁₁ (b) L₁₁
(c) K₁₀ (d) L₁₀

RRB NTPC 29.04.2016 Shift : I

Ans. (b) : Just as, And, Same as,

$$\begin{array}{ccc} \begin{array}{c} B_3 \\ +6 \downarrow +2 \\ H_5 \\ +6 \downarrow +2 \\ N_7 \end{array} & \begin{array}{c} D_3 \\ +6 \downarrow +3 \\ J_6 \\ +6 \downarrow +3 \\ P_9 \end{array} & \begin{array}{c} F_6 \\ +6 \downarrow +5 \\ L_{11} = ? \\ +6 \downarrow +5 \\ R_{16} \end{array} \end{array}$$

Hence, ? = L₁₁



101. What will be come in the place of question mark from following options?

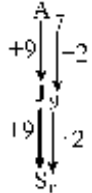
A ₇	D ₉	G ₁₁
J ₉	?	P ₁₃
S ₁₁	V ₁₃	Y ₁₅

- (a) M₁₁
(c) M₁₃

- (b) L₁₂
(d) N₁₄

RPF SI 16.01.2019 Shift : II

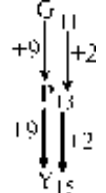
Ans. (a) : Just as,



And,

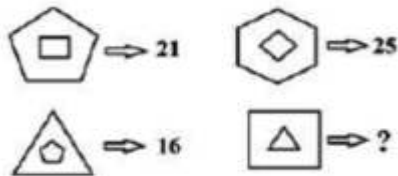


Same as,



Hence, $? = M_{11}$

102. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 9
(c) 13

- (b) 36
(d) 15

RRB NTPC 08.04.2021 (Shift-II) Stage Ist

Ans. (c) : As per question,

\therefore Side of outer figure \times side of inner figure $+ 1$

In first figure, $5 \times 4 + 1 = 20 + 1$
 $= 21$

In second figure, $6 \times 4 + 1 = 24 + 1$
 $= 25$

In third figure, $3 \times 5 + 1 = 15 + 1$
 $= 16$

In fourth figure, $4 \times 3 + 1 = 12 + 1$
 $= 13$

103. Study the given grid carefully and select the option from among the given option that can replace the question mark (?).

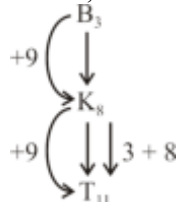
B ₃	E ₄	H ₇
K ₈	N ₉	?
T ₁₁	W ₁₃	Z ₂₄

- (a) P₁₂
(c) Q₁₇

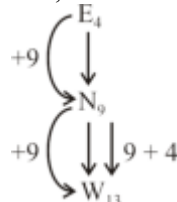
- (b) R₁₂
(d) Q₂₁

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

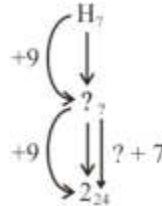
Ans. (c) : Just as,



And,



Same as,

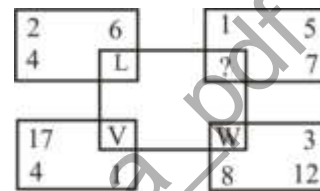


$\therefore ? + 7 = 24$

$? = 17$

Hence, $? = Q_{17}$

104. Study the given pattern carefully and select the letter that can replace the question mark (?) in it.



- (a) M
(c) N

- (b) O
(d) Q

RRB NTPC 09.03.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$2 + 4 + 6 = L$

$12 = L$ (Place value in alphabet)

And,

$17 + 4 + 1 = V$

$22 = V$ (Place value in alphabet)

And,

$8 + 12 + 3 = W$

$23 = W$ (Place value in alphabet)

Similarly,

$7 + 5 + 1 = ?$

$13 = ?$

$M = ?$ (Place value in alphabet)

105. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- (a) 1040
(c) 8

- (b) 256
(d) 4113

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

$a^{(\text{Number of circle}) \times 2} + b^{(\text{Number of circle}) \times 2} + c^{(\text{Number of circle}) \times 2}$

$= a^{1 \times 2} + b^{2 \times 2} + c^{3 \times 2} = a^2 + b^4 + c^6$

Similarly,

$(2)^{2 \times 2} + (1)^{4 \times 2} + (4)^{3 \times 2} = 2^4 + 1^8 + 4^6 = 16 + 1 + 4096$

$= 4113$



06.

Direction Test

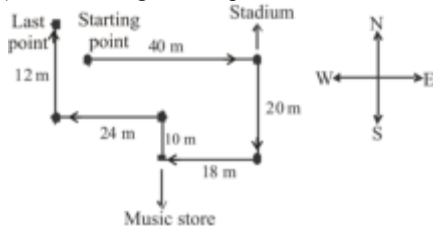
Type – 1 : Problems Based on Finding the direction of a Person

1. Rewa runs 40 m towards East to reach a stadium. She then turns right and runs 20 m. Then, she turns right and runs another 18 m to reach a music store. Again, she turns right and runs 10 m. After this, she turns left and runs 24 m, and finally she turns right and runs 12 m. In which direction is Rewa facing now? (All turns are 90° turns only)

- (a) North (b) South
(c) West (d) East

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (a) : According to the question,



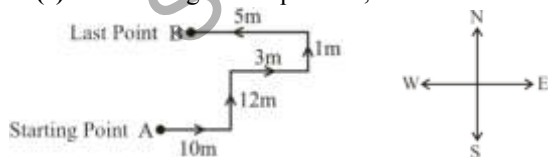
Hence, it is clear from the above diagram that Rewa is facing in North direction.

2. Martin starts walking from his house in east direction. He walks 10 m takes a left and walks 12 m. Next he takes a right turn and walks 3 m. Then he turns left and walks 1m. He again turns left and walks 5m. Towards which direction is he moving now? (All turns are 90° turns only)

- (a) South (b) North
(c) West (d) East

RRB NTPC (Stage-II) –16/06/2022 (Shift-III)

Ans. (c) : According to the question,



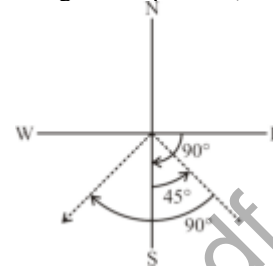
Hence, it is clear from above diagram that he is moving towards west direction.

3. One day, Rekha was standing facing the east. She then turned 90 degrees right and then turned 45 degrees in the anti-clockwise direction. She then turned 90 degrees clockwise. Which direction is she facing now?

- (a) North-East (b) South-West
(c) North (d) South

RRB NTPC (Stage-II) –13/06/2022 (Shift-II)

Ans. (b) : According to the question,



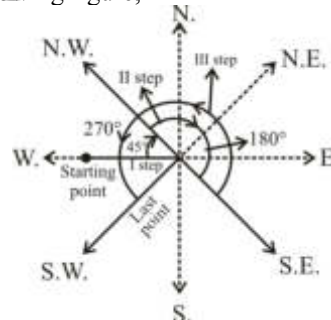
Hence, Rekha is facing South-West direction now.

4. Rohit walked towards the West and took a turn at 45° in the clockwise direction. He again turned at 180° in the clockwise direction. Finally, he turned 270° in the anti-clockwise direction. In which direction was Rohit facing at last?

- (a) North- West (b) West
(c) South (d) South-West

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (d) : According to the given information, we get the following figure,



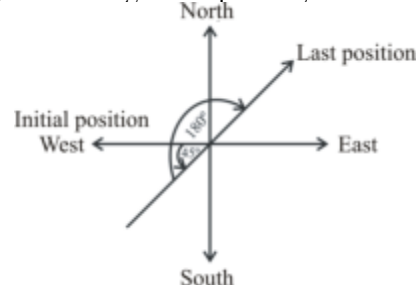
Hence, it is clear that Rohit is now facing in the South-West direction.

5. Rohan is facing west. He turns 45 degrees anti-clockwise and then turns 180 degrees towards his right. In which direction is he facing now?

- (a) North (b) South - West
(c) East (d) North - East

RRB NTPC (Stage-II) –15/06/2022 (Shift-I)

Ans. (d) : According to the question,



Hence, it is clear from above that Rohan is facing in North-East direction.

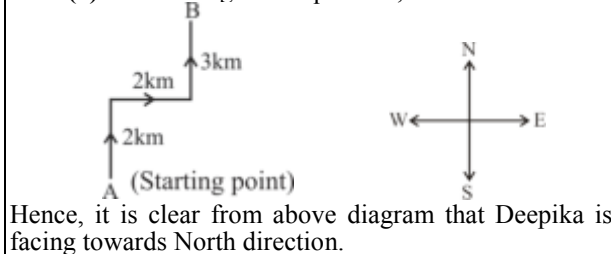


6. Deepika starts her evening walk facing north and walks for 2 km. Then, she takes a right turn and walks for another 2 km. Finally, she takes a left turn and walks for another 3 km. Which direction is she facing now? (All turns are 90° turns only)

(a) North (b) South
(c) West (d) East

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (a) : According to the question,

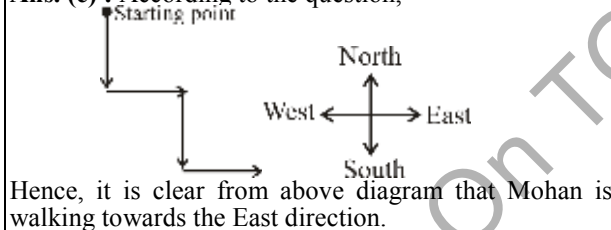


7. Mohan started travelling and he first went in the South direction. Then he took a turn to his left and walked a distance. Thereafter, he turned to his right and travelled some distance. Now if he turned to his left and walked again for a certain distance, in which direction is Mohan travelling now? (All turns are 90° turns only)

(a) West (b) North
(c) East (d) South

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)

Ans. (c) : According to the question,

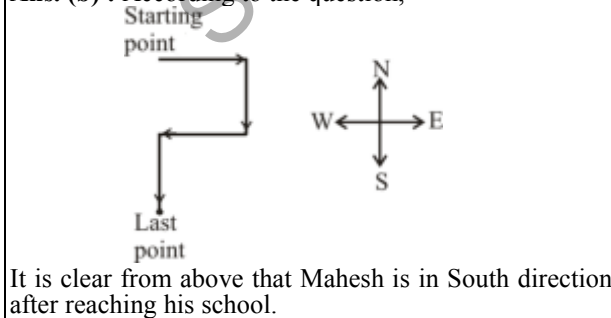


8. Mahesh was facing east when he started from home. He took two right turns and one left turn to reach his school. In which direction, is he facing after reaching his school?

(a) North (b) South
(c) West (d) East

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question,

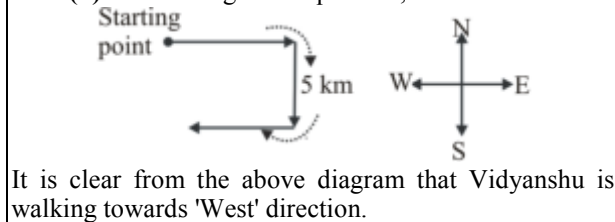


9. During his morning walk Vidyanshu walks some kilometer towards the sun, after some time, he turns to his right and walks 5 km. He turns right again and continue to walking, finally in which direction is Vidyanshu walking?

(a) East (b) South
(c) North (d) West

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question,

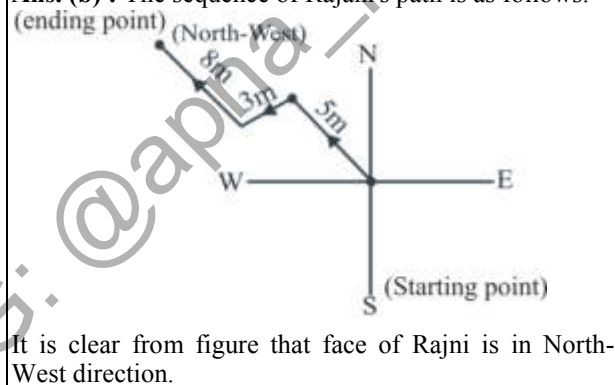


10. Rajni was facing the north-west. She moved 5m, turned left and walked 3 m. Then she turned right and walked 8 m and stopped there. Which direction is she facing now?

(a) North (b) North-West
(c) South-West (d) West

RRB NTPC 12.02.2021 (Shift-I) Stage Ist

Ans. (b) : The sequence of Rajni's path is as follows:

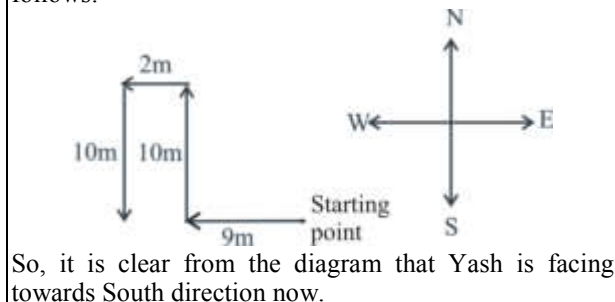


11. Yash faced towards the west and moved 9 meters. Then he turned right and moved 10 meters. He took a left turn and ran 2 meters. Once again he turned left and moved 10 meters. Now in which direction is Yash facing?

(a) South (b) East
(c) West (d) North

RRB NTPC 15.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question, path of Yash is as follows:



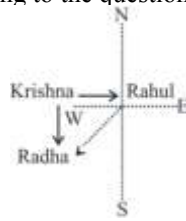
12. If Radha is sitting to the south of Krishna and Rahul is sitting to the east of Krishna, in which direction is Radha sitting with respect to Rahul?

(a) South-West (b) South-East
(c) North-East (d) North-West

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)



Ans. (a) : According to the question,



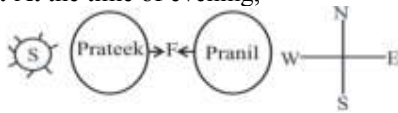
It is clear that Radha is sitting in the South-West direction with respect to Rahul.

13. One evening, Prateek and Pranil were talking to each other face to face on a terrace. If Prateek's shadow was exactly on the body of Pranil, in which direction was Pranil facing?

- (a) North (b) East
(c) South (d) West

RRB NTPC 27.03.2021 (Shift-II) Stage Ist

Ans. (d) : At the time of evening,



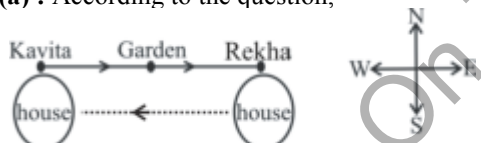
Hence, the face of Pranil is in the west direction.

14. Kavita goes for yoga practice daily to the Rock Garden. The garden is towards the east from her house. From the garden, she goes to her friend Rekha's house, which is towards the east of the garden. In what direction is Kavita's house from Rekha's house?

- (a) West (b) South
(c) East (d) North

RRB NTPC 13.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question,



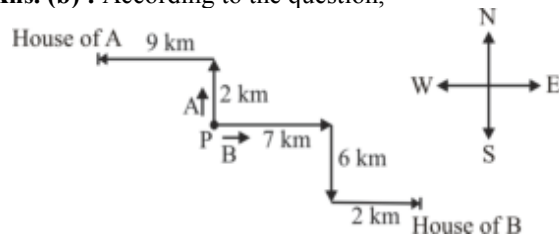
Hence, it is clear from the above diagram that Kavita's house is in the West direction from Rekha's house.

15. Two student A and B are returning back from school, from a point P. A goes 2 km north and turns left and goes for 9 km and reaches home. 'B' from point P moves 7 km in East and then goes to 6 km towards south and then turns left and moves 2 km and reaches Home. In reference to A's house what is the direction of B ?

- (a) North - West (b) South - East
(c) South - West (d) North - East

RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question,



Hence, it is clear from the diagram that B's house is in the South-East direction with respect to A's house.

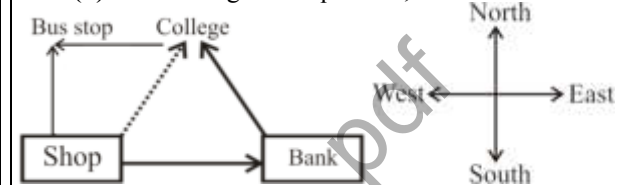
Type - 2 : Problems Based on Finding the Direction of One Point with Respect to Another Point

16. A bank is to the east of a shop. A college is to the north-west of the Bank. A bus stop is to the north of the shop and to the west of the college. In which direction is the college with respect to the shop?

- (a) North (b) North-West
(c) East (d) North-East

RRB NTPC (Stage-II) -12/06/2022 Shift-I

Ans. (d) : According to the question,



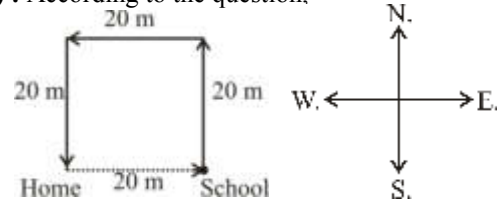
Hence, college is in the North-East direction with respect to shop.

17. Rahul left his school and walked 20 m straight towards the north, turned left and walked straight for another 20 m. He took a final left turn again and walked straight for 20 m to reach home. What is the shortest distance between the school and his home? (All turns are 90° turns only)

- (a) 20 m (b) 25 m
(c) 40 m (d) 30 m

RRB NTPC (Stage-II) -13/06/2022 (Shift-II)

Ans. (a) : According to the question,



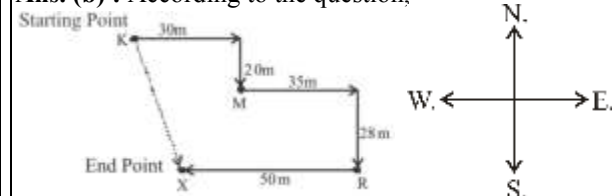
Hence, shortest distance between school and his home is 20m.

18. Anil starts walking from point K. He walks 30 m towards the east, turns right and walks for 20 m to reach point M. He then takes a left turn walks for 35 m, takes a right turn and walks for 28 m to reach point R. He finally takes a right turn and walks for 50 m to reach point X. In which direction is point X with respect to point K?

- (a) West (b) South-East
(c) North-East (d) South

RRB NTPC (Stage-II) -12/06/2022 (Shift-II)

Ans. (b) : According to the question,



It is clear from above diagram that point X is in South-East direction with respect to point K.



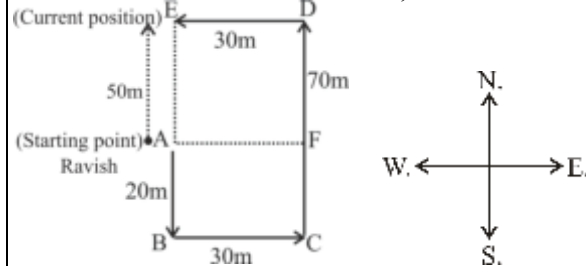
19. Ravish Kumar starts running facing towards the south, He runs for 20 m. then takes a left turn, and then runs for another 30 m. Again, he takes a left turn and runs 70 m. He then finally turns left and walks 30 m.

What is the current position of Ravish with respect to the starting point? (All turns are 90° turns only)

- (a) South, 70 m (b) North, 50 m
(c) West, 20 m (d) East, 30 m

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (b) : According to the question,



$\therefore AB = CE$

$\therefore AB = 20\text{ m}$, then, $CE = 20\text{ m}$

Now, $AE = CD - CE$

$= 70 - 20$

$= 50\text{ m}$

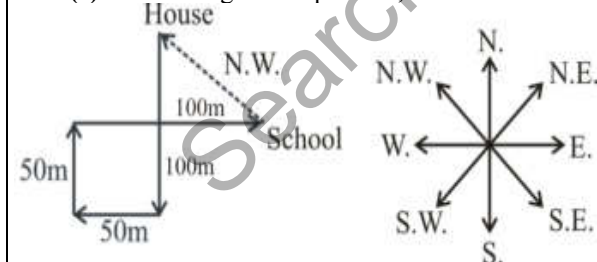
Hence, the current position of Ravish is 50 meter, north direction from starting point.

20. Rohan started from his house to go to his school. He went 100 meters towards the South then turned towards the West and walked 50 meters. He then turned right and walked 50 metre and finally he turned to his right and walked 100 meters to reach his school. In which direction is his house from the school? (All turns are 90° turns only)

- (a) North-East (b) South-East
(c) North-West (d) South-West

RRB NTPC (Stage-II) –14/06/2022 (Shift-I)

Ans. (c) : According to the question,



Hence, it is clear from above diagram that Rohan's house is North-West direction from school.

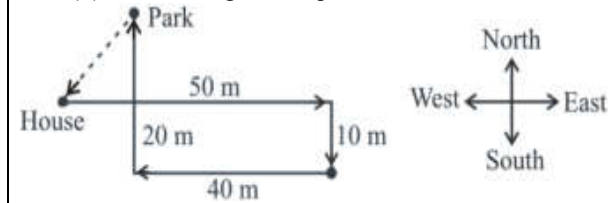
21. Rahul started from his house to go to park. He went 50 metres towards the East, then turned toward the South and walked 10 meters. He then turned right and walked for 40 metres. Finally, he turned to his right and walked 20 metres to reach the park. In which direction is his house from the park?

(All turns are 90° turns only)

- (a) South-East (b) North-East
(c) North-West (d) South-West

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)

Ans. (d) : According to the question,



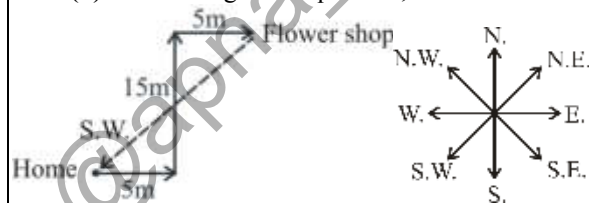
Hence, Rahul's house is in South-West direction with respect to the park.

22. Rohan started from his home towards the east, and after walking for 5 m, turned left. From there, after walking for 15 m, he turned right and walked for 5 m to reach a flower shop. In which direction is his home with respect to the flower shop? (All turns are 90° turns only)

- (a) South-East (b) South-West
(c) West (d) North

RRB NTPC (Stage-II) –14/06/2022 (Shift-I)

Ans. (b) : According to the question,



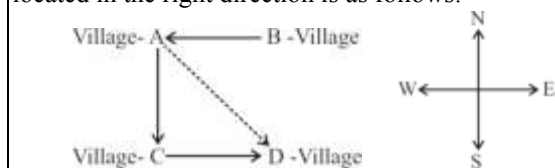
Hence, it is clear from above diagram that Rohan's home is in South-West direction with respect to flower shop.

23. If village A is located to the west of village B, village C is to the south of village A and village D is to the east of village C, then in which direction is village D located with respect to village A?

- (a) North (b) South-East
(c) East (d) North-East

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (b) : The correct order in which the villages are located in the right direction is as follows:



It is clear from the above diagram that village D is located in the South-East direction with respect to village A.

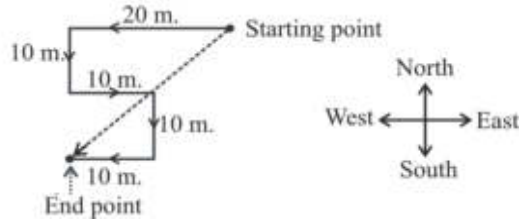
24. Awadh walks 20m towards West. Then, he turns to his left and walks 10m. Then, he again takes a left turn and walks 10m. Now, he takes a right turn and again walks 10 m. Finally, he takes a right turn and stops after walking 10 m. In which direction is the stopping point with respect to the starting point? (all turns are 90° only)

- (a) South-east (b) South-west
(c) North-west (d) North-east

RRB NTPC (Stage-II) –16/06/2022 (Shift-I)



Ans. (b) : According to the question,



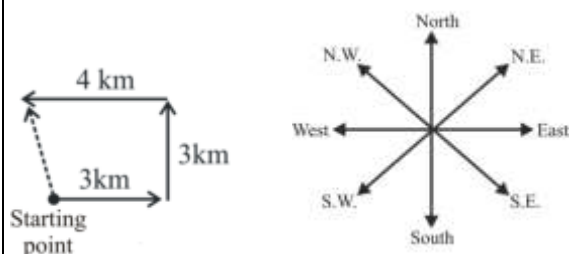
Hence, it is clear from above that Awadh's stopping point is in South-West direction with respect to starting point.

25. After starting from a point, Neveen walks 3 km towards the east. Then turning to his left he moves 3 km. After this he again turns his left and moves 4 km. In which direction is he standing from his starting point?

- (a) South-East (b) North-West
(c) North (d) South

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question,



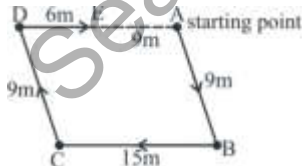
Therefore, it is clear from the above diagram that Naveen is in North-West direction from the starting point.

26. Radha walks a distance of 9m towards the South-East. Then she walks 15 m towards the West. From here, she walks 9 m towards the North-West. Finally she walks 6 m towards the East and stands at the point. How far is she standing from the starting point?

- (a) 11 m (b) 13 m
(c) 10 m (d) 9 m

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (d) : On drawing the diagram according to the question,



$$EA = 15m - 6m = 9m$$

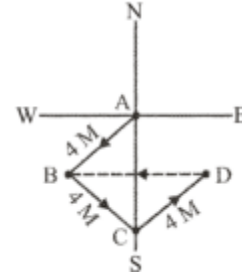
Hence, Radha is now at a distance of 9 m from the starting point.

27. Dropu walked 4 m from points A towards the south-west and reached point B. Then she turned south-east and walked same distance to reach point C, and then she turned towards the north-east and walked 4m to reach Point D. Which direction does she need to turn to move towards Point B?

- (a) North-West (b) East
(c) West (d) South-East

RRB NTPC 12.02.2021 (Shift-I) Stage Ist

Ans. (c) : The sequence of Dropu's path is as follows:



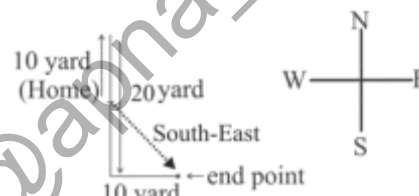
So, it is clear from figure that last place of Dropu is D and she will have to go west to reach B from D.

28. Arun walks 10 yards straight from his house which is facing north and then he walks 20 yards in the reverse direction. Further he takes a left turn and walks 10 yards. In which direction is Arun now from his original position?

- (a) South-east (b) North-west
(c) South-west (d) North-east

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (a) : Arun's walking sequence is as follows-



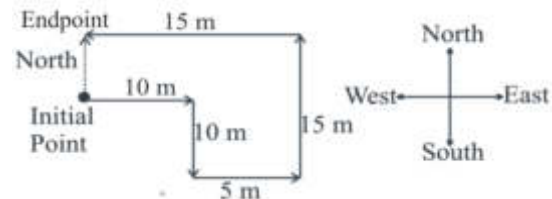
Hence, Arun is facing South-East direction of his original position.

29. A man walks 10 m forward towards the direction of sunrise and then 10 m to his right. After that, every time turning to his left, he walks 5 m, 15 m and 15 m, respectively. What is the likely direction he is in now with reference to his starting point?

- (a) East (b) West
(c) South (d) North

RRB NTPC 03.02.2021 (Shift-I) Stage Ist

Ans. (d) : The path of man is as follows:



From the figure, it is clear that the man is in North direction from its initial position.

30. Nisha daily goes to play badminton in a playground. The playground is in the south direction from her house. From the playground, she goes to her friend Suman's house that is in the west direction from the playground. From Suman's house, both Nisha and Suman go to a market. The market is in the west direction from Suman's house.

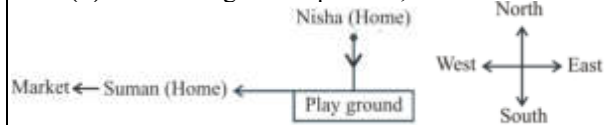
What will be the direction of Nisha's home from the playground?

- (a) West (b) East
(c) South (d) North

RRB NTPC 13.03.2021 (Shift-I) Stage Ist



Ans. (d) : According to the question,

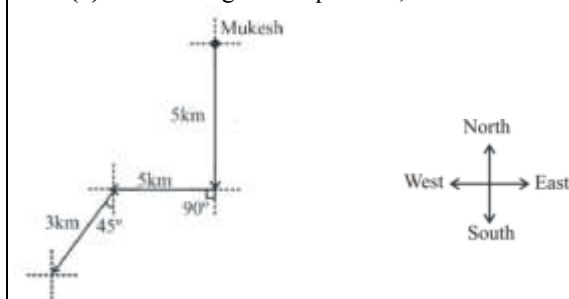


Hence, it is clear from the above diagram that Nisha's home is in the North direction from the playground.

31. Mukesh was facing the south. He walked 5 km straight and from there he turned at a 90° angle to his right and walked 5 km. Then he turned at a 45° angle to his left and walked 3 km. Where will he be from his actual position?
- (a) South-West (b) South-East
(c) North-West (d) South

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (a) : According to the question,



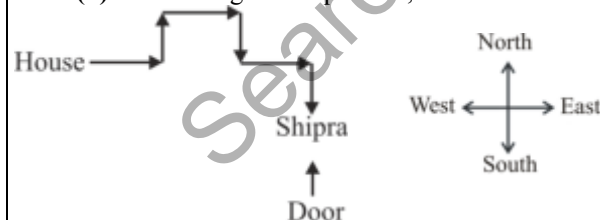
Hence, it is clear that Mukesh will be in South-West direction in reference to his initial position.

32. Shipra leaves to visit her grandmother's house. She leaves her house and turns left first. After she turns to the right and then to the right and to the left. And finally she turns to the right and reaches right in front of the door of her grandmother's house. If Shipra's house is in the East direction then her grandmother's house?

- (a) East (b) West
(c) South (d) North

RRB NTPC 18.01.2017 Shift : II

Ans. (d) : According to the question,



Hence, it is clear that Shipra's grandmother house will in the North direction.

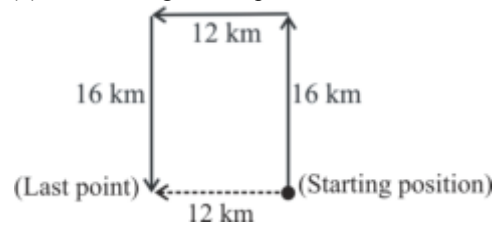
Type – 3 : Problems Based on Finding the Distance

33. Evan travelled 16 km from his residence towards the north. He then turned 90 degrees towards the left and travelled 12 km. He turned 90 degrees left again and travelled 16 km and stopped. How far is Evan from his residence?

- (a) 12 km (b) 16 km
(c) 4 km (d) 28 km

RRB NTPC (Stage-II) –13/06/2022 (Shift-I)

Ans. (a) : According to the question,



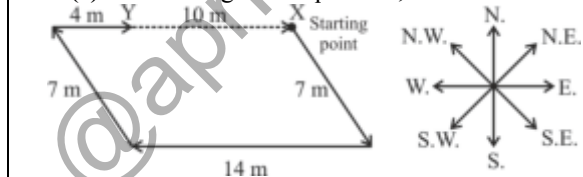
Hence, it is clear that Evan is 12 km away from his residence.

34. According to the directions given by the coach, Jhulan walks 7 metres to the south-east from point X. Then Jhulan walks 14 metres to the west. She then walks 7 metres to the north-west. Finally, Jhulan walks 4 metres to the east and reaches point Y. What is the shortest distance between X and Y?

- (a) 7 meters (b) 18 meters
(c) 10 meters (d) 19 meters

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (c) : According to the question,



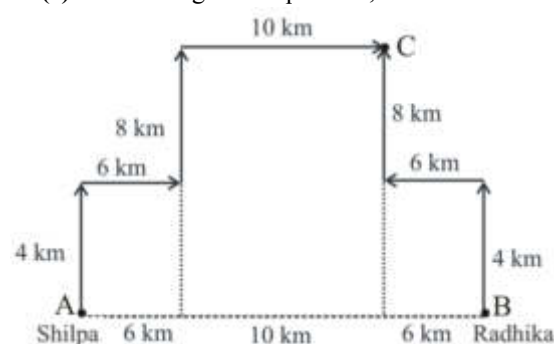
Shortest Distance between X and Y = $14 - 4$
= 10 m.

35. Shilpa and Radhika started walking from two different points, 'A' and 'B', respectively. Shilpa walks 4 km North, turns to the East and walks 6 km, again turns to the North and walks 8 km, and finally turns to the East and walks 10 km to reach point 'C'. Similarly, Radhika walks 4 km North, and turns to the West and walks 6 km, and finally turns to the North and walks 8 km and meets Shilpa at point 'C'. What is the shortest distance between Shilpa's and Radhika's starting points?

- (a) 10 km (b) 16 km
(c) 22 km (d) 26 km

RRB NTPC (Stage-II) –15/06/2022 (Shift-I)

Ans. (c) : According to the question,



Shortest distance between Shilpa and Radhika from starting points = $6 + 10 + 6 = 22$ km

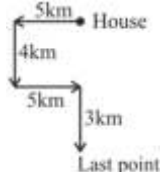


36. Rishu went 5 km towards the west from her house. From here, she turned left and covered a distance of 4 km. She took a left turn again and covered a distance of 5 km. She finally turned right and travelled 3 km and stopped. What is the shortest distance between the point where she stopped from her house? (All turns are 90° turns only) -

(a) 7 km (b) 12 km
(c) 10 km (d) 8 km

RRB NTPC (Stage-II) -15/06/2022 (Shift-II)

Ans. (a) : Rishu's travelled path is as follows:



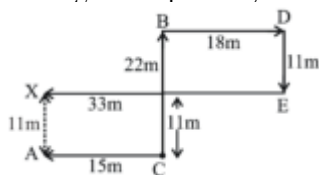
So, the shortest distance = $4 + 3 = 7$ km

37. Point A is 15 m to the west of point C. Point B is 22 m to the north of point C. Point D is 18 m to the east of Point B. Point E is 11m to the south of point D. Point X is 33 m to the west of point E. What is the shortest distance between Point A and Point X?

(a) 22 m (b) 2 m
(c) 11 m (d) 10 m

RRB NTPC (Stage-II) -15/06/2022 (Shift-II)

Ans. (c) : According to the question,



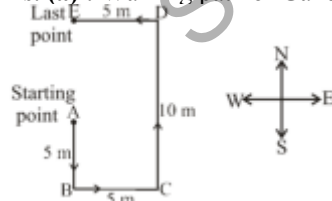
Hence, the shortest distance between A and X is 11 meters.

38. Ganesh walks 5 m to the south and turns to the east. He again walks for 5 m, turns to his left and stops after walking 10 m. He turns to his left again, walks 5 m and stops. How far is Ganesh from his starting point?

(a) 5 m (b) 20 m
(c) 10 m (d) $5\sqrt{2}$ m

RRB NTPC 23.07.2021 (Shift-I) Stage Ist

Ans. (a) : Walking path of Ganesh is as follows:



Hence, Ganesh's distance from starting point, (AE) = $CD - AB = 10 - 5 = 5$ m

39. Read the given paragraph carefully and answer the question.

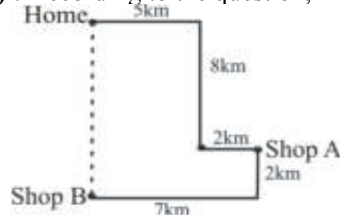
Ram walks 5 km straight from his home. After taking a right turn he walks for another 8 km. He then takes a left turn and reaches shop A after 2 km. From there he takes a right turn and walks 2 km. He covers another 7 km to the right to reach shop B.

What is the distance covered by Ram to reach shop A from his home?

(a) 7 km (b) 13 km
(c) 22 km (d) 15 km

RRB NTPC 21.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,



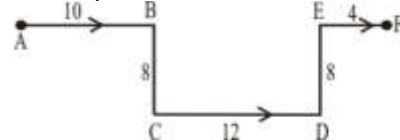
The distance covered by Ram to reach shop A from his home = $5 + 8 + 2 = 15$ km

40. Sita took an auto from her home in Andheri (a) to go to her college in Fatehpuri (F). Rather than continuing straight on the direct road to the college that had no turns, the auto driver took a diversion after 10 km and turned right at Bandra (B) crossing, then at Colaba T-point (C) after 8 km turned left, again after covering 12 km turned left at Dalhousi Building (D) and soon after 8 km turned right at Elphinston point (E) and after covering 4 km reached Fatehpuri (F). Had the auto driver taken the direct route how much less distance would Sita have actually travelled between the starting point and the destination?

(a) 10 km (b) 18 km
(c) 16 km (d) 12 km

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (c) : The sequence of Sita's travel is as follows:



Total distance between point A and F = $10 + 8 + 12 + 8 + 4 = 42$

The direct distance between point A and F = $10 + 12 + 4 = 26$

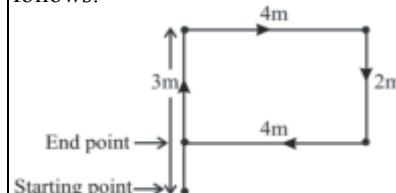
Then, difference = $42 - 26 = 16$ km

41. Rakhi goes 3 meters North then turns right and walks 4 meters, then again turns right and walks 2 meters, then again turns right and walks 4 meters. How many meters is she from her original position?

(a) On the starting point or 0
(b) 1 m
(c) 4 m
(d) 2 m

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (b) : The sequence of Rakhi's running is as follows:



Hence, Rakhi is at a distance of 1 meter from its starting point.

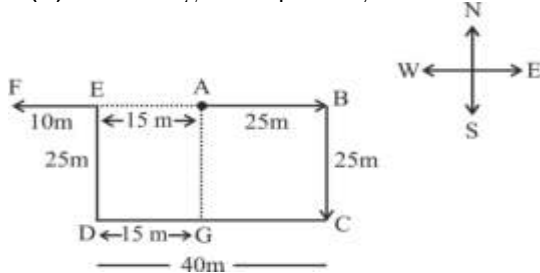


42. Sheetal walks 25 m east. Then she turns right and walks another 25 m. She then turns right and walks another 40 m. Then again turning right, she walks 25 m. Finally, she turns left and walks 10 m. How far is Sheetal from her original position?

(a) 10 m (b) 20 m
(c) 15 m (d) 25 m

RRB NTPC 10.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question,



Distance from starting position = $AE + EF = 15 + 10 = 25$ m

Hence, Sheetal is at a distance of 25 m from its initial position.

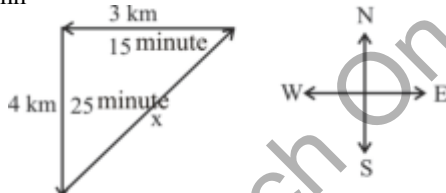
43. John and Jenny stood at a point facing the north. John left Jenny in the morning and walked towards the west for 3 km, taking 15 minutes. Then he moved towards the south for 4 km, taking 25 minutes. What is the shortest distance Jenny needs to travel to meet John?

(a) 5 km (b) 8 km
(c) 7 km (d) 4 km

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question,

Let, Jenny have to cover a minimum distance of x km to meet John



From Pythagoras theorem, we have-

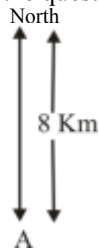
$$x = \sqrt{3^2 + 4^2} = \sqrt{9 + 16} = \sqrt{25} = 5 \text{ km}$$

44. Sujal is a good runner who walked 8 km towards the north from point A. Then he turned around and started running back at the speed of 6 km/hour. How far would Sujal be from point A after running for 10 minutes?

(a) 6 KM (b) 9 KM
(c) 7 KM (d) 2 KM

RRB NTPC 12.02.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question,



Total distance travelled by Sujal in North direction = 8 Km

Speed of Sujal after turning back and running at speed = 6 Km/h

So, total time taken by Sujal in running back = 10 minute

$$= \frac{10}{60} \text{ hour}$$

Total distance travelled by Sujal in running back =

$$\text{Speed} \times \text{Time} = 6 \times \frac{10}{60} = 1 \text{ Km}$$

So, distance of point A from Sujal = $8 - 1 = 7$ Km

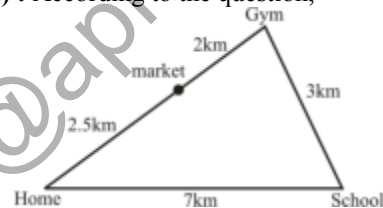
45. Sachin daily goes to school on his bicycle and the distance between his home and the school is 7 km. After school time, he directly goes to a gym from the school. The distance from the school to the gym is 3 km. From gym, he goes to a market. The distance between the gym and the market is 2 km. The distance between the market and his home is 2.5 km.

What is the distance between his home and the gym through shortest route?

(a) 4.5 km (b) 2 km
(c) 3 km (d) 10 km

RRB NTPC 13.03.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,



Distance from home to market = 2.5 km

Distance from market to gym = 2 km

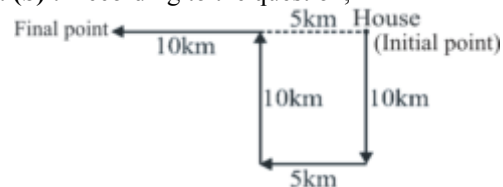
Hence, the closest distance between his home and gym = $(2.5 + 2) \text{ km} = 4.5 \text{ km}$.

46. One day Ganesh starts cycling from his house for 10 km towards 'South', then returns 'Right' and walks 5 km, then again turns 'Right' and moves 10 km and finally turns 'Left' and walks 10 km. What is straight distance b/w initial and final point?

(a) 30 km (b) 15 km
(c) 25 km (d) 35 km

RRB NTPC 19.01.2017 Shift : 1

Ans. (b) : According to the question,



Thus, straight distance b/w initial and final point

$$= 5 + 10$$

$$= 15 \text{ km.}$$

47. Starting from his home, Vinay walks towards 'South' after covering 21 km he turns 'Right' and walks straight 20 km. How far is he from his initial point?

(a) 29.68 km (b) 29.00 km
(c) 41.00 km (d) 24.00 km

RRB NTPC 18.01.2017 Shift : III



Ans. (b) : According to the question,



Minimum distance b/w initial and destination point.

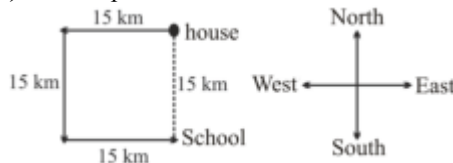
$$\begin{aligned}
 &= \sqrt{(21)^2 + (20)^2} \\
 &= \sqrt{441 + 400} \\
 &= \sqrt{841} \\
 &= 29 \text{ km}
 \end{aligned}$$

48. Max walks 15 km from his home towards the west, turns left and walks 15 km from there, he turns left again and walks 15 km to reach his school. Find the shortest distance between his home and school

- (a) 15 km (b) 45 km
(c) 25 km (d) 30 km

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (a) : Max's path is as follows:



It is clear from the above diagram that the minimum distance between Max's school and home is 15 km.

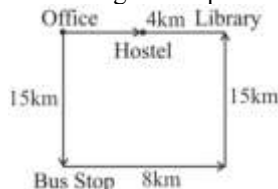
Type – 4 : Mixed problems based on Finding the Distance and Direction

49. Ramdin started from his office and walked 15 km in the south direction and reached the bus stop, and then turned to his left and walked 8 km straight on the road. From there, he turned to his left, walked 15 km and reached the Central Library. After this, he turned to his left again and walked 4 km to reach his hostel. How far and in which direction is the hostel with respect to his office?

- (a) 7 km towards South
(b) 4 km towards West
(c) 4 km towards East
(d) 12 km towards North

RRB NTPC (Stage-II) –12/06/2022 Shift-I

Ans. (c) : According to the question,



It is clear that his hostel is 4 km in East direction with respect to his office.

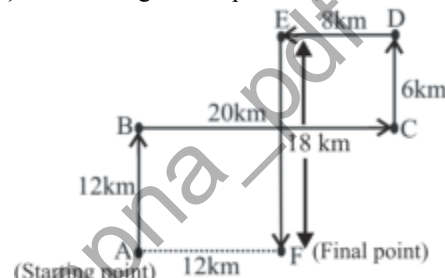
50. A train ran for 12 km in the north direction from point A to reach point B. From there, it took a right turn and ran for 20 km to reach point C. Then, it ran for 6 km after taking a left turn and reached point D. From there, it took a left turn again and ran for a distance of 8 km to reach point E. Then, it covered 18 km in the south direction to reach point F.

How far and in which direction is point A with respect to point F?

- (a) 12 km, west (b) 13 km, west
(c) 10 km, east (d) 15 km, south

RRB NTPC (Stage-II) –12/06/2022 (Shift-II)

Ans. (a) : According to the question,



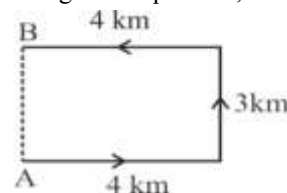
Hence, point A is 12 km in west direction with respect to point F.

51. Lokesh runs 4 km facing east, takes a left turn and runs for another 3 km. He finally takes a left turn, runs 4 km and stops. Which direction is he facing now and what is the shortest distance he has to cover to reach back to the starting point? (All turns are 90° turns only)

- (a) West 7 km (b) North 4 km
(c) West, 3 km (d) North 7 km

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (c) : According to the question,



Hence, it is clear from above that lokesh is 3 km far from initial position and facing West direction.

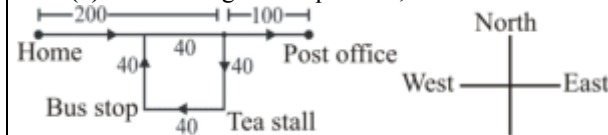
52. Jagdish walks 200 steps towards the east from his house, and then walks 40 steps after turning to his right to reach a tea stall. Then he walks 40 steps towards his right and reached a bus stop. Then he, turned towards his right and walks 40 steps. From there, turning towards his right he walks 140 steps and reached a post office. How far and in which direction is the post office with respect to Jagdish's house?

- (a) 300 steps, East (b) 220 steps, North
(c) 380 steps, East (d) 300 steps, West

RRB NTPC 15.02.2021 (Shift-I) Stage Ist



Ans. (a) : According to the question,



Distance between home and post office = $200 + 100$
= 300 steps

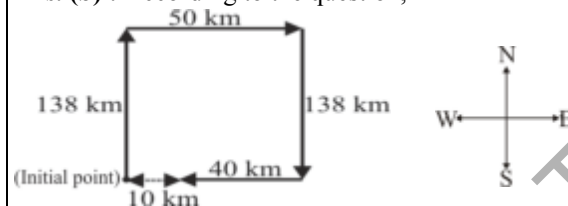
Hence, it is clear that the post office is 300 steps away from Jagdish's home and in east direction.

53. A man started from a point and covered a distance of 138 km towards North in his car. At a crossroads, he turned right and covered a distance of 50 km. He again took a right turn and covered a distance of 138 km. From there, he took a right turn and covered a distance of 40 km. How far and in which direction is he now from his starting point?

- (a) 10 km towards West
(b) 10 km towards East
(c) 366 km towards West
(d) 366 km towards East

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question,



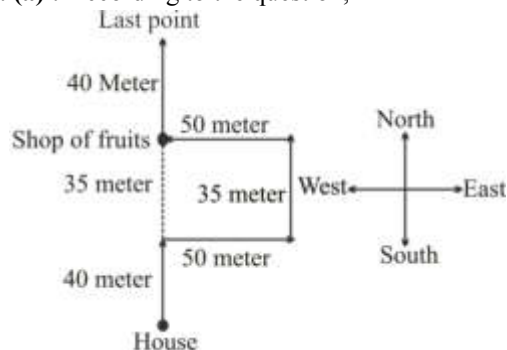
Therefore, he is 10 km far in East from initial point.

54. From his house, Arjun walked 40 m towards the north, then 50 m towards the east, then 35m towards the north and then 50m towards the west. He stopped at this point to buy some fruits from a fruit shop. He again walked 40m towards the north. How far and in which direction is Arjun's house from the fruit shop ?

- (a) 75m, South (b) 80m, East
(c) 115m North (d) 115m South

RRB NTPC 23.02.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,



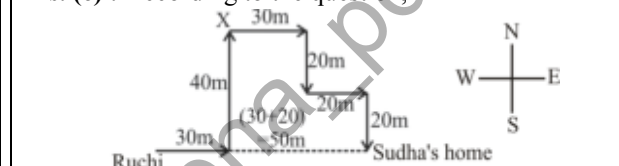
Hence, Direction and distance of Arjun's house from shop of fruits is 75m in south direction

55. Sudha gave Ruchi, direction to her house from Ruchi's residence. She told Ruchi, "If you cover 30 m towards the east and then after turning towards your left cover another 40 m, you will reach on X point. From there, turn towards your right and cover a distance of 30 m. Then turn to your right to cover 20 m and then again another 20 m to your left. Finally, by turning towards your right cover 20 m. You will find my house." How far and in which direction is Sudha's house from Ruchi's house?

- (a) 80 m towards the north-west
(b) 40 m towards the west
(c) 80 m towards the east
(d) 80 m towards the west

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question,



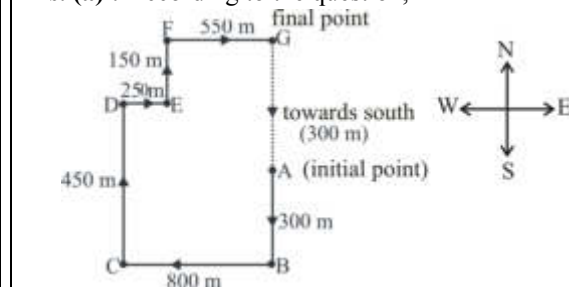
It is clear from the above diagram that Sudha's house is 80 m towards east from Ruchi's house.

56. M starts from her home, walks 300 m south, turns right and walks 800 m, turns right and walks 450 m, turns right and walks 250 m, turns left and walks 150 m and then turns right and walks 550 m. How much distance and in which direction should she walk back to reach her home by the shortest route?

- (a) 300 m, Southwards (b) 250 m, Westwards
(c) 250 m, Eastwards (d) 300 m, Northwards

RRB NTPC 23.07.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,



Hence, it is clear that M have to walk 300m southward to reach home by the shortest route.

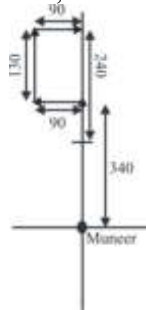
57. Muneer ran 340 steps towards north and then ran 90 steps after turning to his left. He then ran 130 steps towards his right. He then, turned towards his right and ran 90 steps. From there, he turned towards his right and ran another 240 steps. How far and in which direction is Muneer with respect to the starting point?

- (a) 230 steps, North (b) 200 steps, South
(c) 100 steps, North (d) 330 steps East

RRB NTPC 04.03.2021 (Shift-II) Stage Ist



Ans. (a) : As per question,



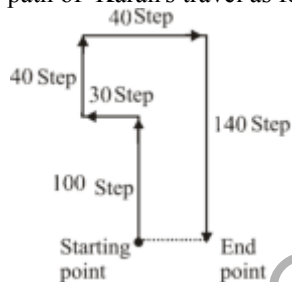
Therefore, distance of Muneer = $(340 + 130) - 240$
 $= 470 - 240$
 $= 230$ steps North

58. Karan walked 100 steps towards the north and then walked 30 steps after turning to his left. Then he walked 40 steps towards his right. Then he, turned towards his right and walked 40 steps. From there turning towards his right he walked 140 steps. How far and in which direction is Karan with respect to the starting point.

- (a) 10 Steps, West (b) 20 Steps, North
 (c) 10 Steps, East (d) 20 Steps, West

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (c) : The path of Karan's travel as follows:



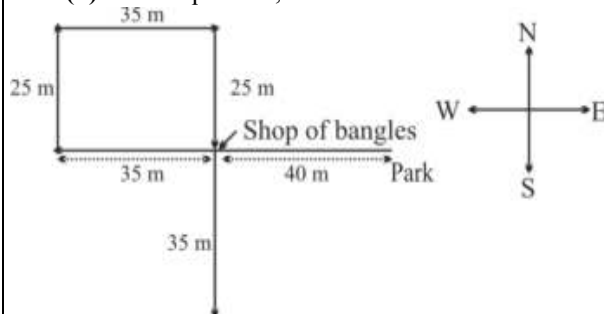
Hence, Karan is $(40 - 30) = 10$ steps east from his starting point.

59. Munni walked from the park 75 m to the West, 25 m to the North, 35 m to the East and then 25 m to the South. She stopped at this point to buy bangles from the bangle stall. She walked again 35 m to the South. How far and in which direction is the park from the bangle stall?

- (a) 60 m to the South (b) 40 m to the East
 (c) 75 m to the West (d) 40 m to the West

RRB NTPC 09.03.2021 (Shift-II) Stage Ist

Ans. (b) : From question,



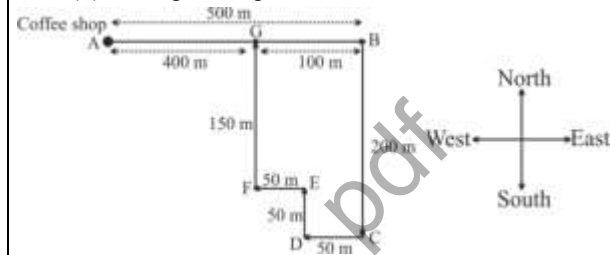
It is clear from figure that the park is 40m to the East from shop of bangles.

60. From a coffee shop, X walked 500m towards the East, 200 m towards the South, 50m towards the West, 50m towards the North, 50m towards the West and 150 m towards the North. How far and in which direction is X from the coffee shop.

- (a) 400 m, West (b) 350 m, East
 (c) 200 m, North (d) 400 m, East

RRB NTPC 31.07.2021 (Shift-II) Stage Ist

Ans. (d) : The path sequence of X is as follows:



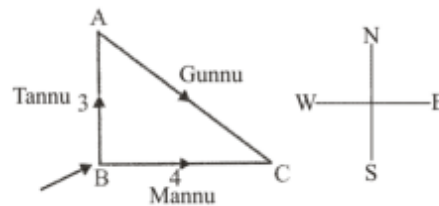
It is clear from the above diagram that X is at the distance of $(500 - 100) = 400$ m from the coffee shop (A) in the East direction.

61. Tannu walked 3 m from her initial position towards the north Mannu walked 4 m from the same point towards the east. Gunnu started from the point where Tannu stopped and walked straight to Mannu taking the shorted route. In which direction did she walk and how much distance did she cover?

- (a) West, 4.98 m (b) North-east, 5 m
 (c) South, 4.98 m (d) South-east, 5 m

RRB NTPC 12.02.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,



By figure the smallest way of Gunnu will be AC.

$$AC^2 = AB^2 + BC^2$$

$$AC = \sqrt{3^2 + 4^2}$$

So, $AC = 5$ m

It is clear that Gunnu will have to go 5 meter south-east.

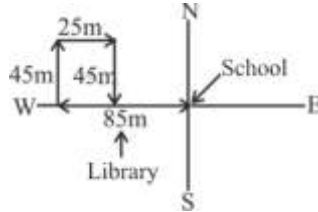
62. Muneer walked from his school, 85 m west, 45 m north, 25 m east and then, 45 m south. He stopped at this point to issue books from library. How far and in which direction is Muneer's school from the library?

- (a) 60 m, east (b) 60 m, south
 (c) 60 m, west (d) 55 m, west

RRB NTPC 08.03.2021 (Shift-I) Stage Ist



Ans. (a) : From question,



Distance of library from Muneer's school

= 85-25

= 60 m (east)

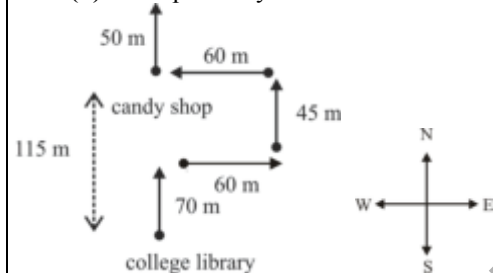
Hence, Muneer's school is 60 m, in the east direction from the library.

63. Pallavi walked from her college library, 70 m towards the north, then 60 m towards the east, then 45 m towards the north and then 60 m towards the west. She stopped at this point to buy some candies from a candy shop. She again walked 50 m towards the north. How far and in which direction is Pallavi's college library from the candy shop?

- (a) 150 m, east (b) 165 m, south
(c) 115 m, north (d) 115 m, south

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (d) : The path way of Pallavi is as follow:



Hence, distance between library and candy shop = 115 m. and college library is in south direction from candy shop.

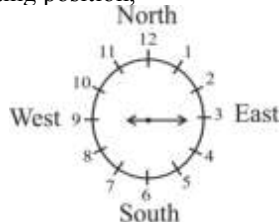
Type - 5 : Problems Based on the Direction of the Clock Hands

64. According to the time by Rekha's watch, it is quarter past 9 and the hour-hand is pointing to the west. In which of the given directions will the minute-hand point AFTER 75 minutes?

- (a) East (b) North
(c) South (d) West

RRB NTPC 13.01.2021 (Shift-II) Stage Ist

Ans. (c) : Starting position,



Second position-

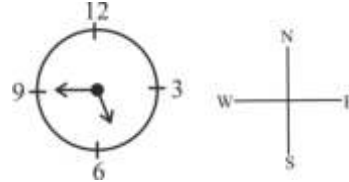
Adding 75 minutes to 9:15, the minute hand at 10:30 will be in the South direction.

65. According to the time in Rajni's watch, it is quarter to 6. If the hour hand points towards the south, then in which direction does the minute hand point?

- (a) East (b) South
(c) West (d) North

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,



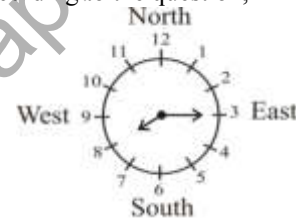
Hence, the minute hand will be in the west direction.

66. According to the time by Rick's watch its quarter past eight. If the minute hand points towards the east, towards which direction would the hour hand point?

- (a) South-West (b) North-West
(c) North-East (d) South-East

RRB NTPC 19.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,



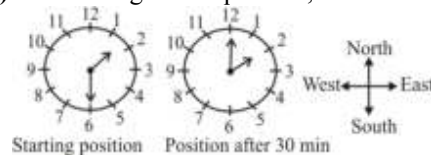
If minute hand indicates towards East, then hour hand indicates towards South-West.

67. According to the time by Nihaal's watch its half past one and the hour hand is pointing towards the North-East. Assuming that there is no change in Nihaal's position, in which direction would the minute hand point after 30 minutes?

- (a) South (b) West
(c) North (d) East

RRB NTPC 21.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,



It is clear from the above picture that after changing the position, the minute hand will point towards the North.

Type - 6 : Miscellaneous

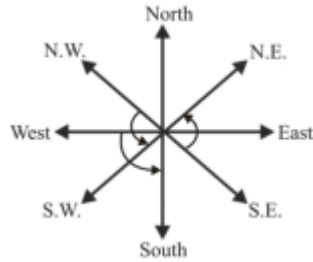
68. If the south-east direction moves two places and becomes north-east; and north-west moves two places to become south-west, what would be the direction that west would become, assuming all other directions make similar movements.

- (a) North-east (b) East
(c) North-West (d) South

RRB NTPC 08.01.2021 (Shift-II) Stage Ist



Ans. (d) :



The changed direction is obtained by rotating 90° anticlockwise from the direction, thus rotating 90° clockwise from the west direction will give the south direction.

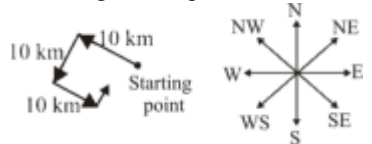
69. From his house, Kamal drives 10 m in the north-west direction and then 10 km in the south-west direction. After that, he drives 10 km in the south-east direction. Finally, he turns towards his house and drives further.

In which of the directions given below is he most likely to be driving?

- (a) North-West (b) South-West
(c) South-East (d) North-East

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,



From the given figure, it is clear that it is the most probable that Kamal is driving in North-East direction.

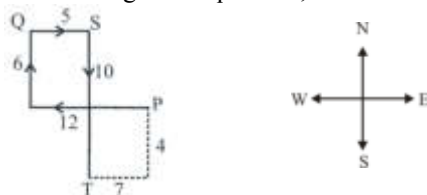
70. Ali drives 12 km to the west from point P. He then takes a right turn, drives 6 km and reaches point Q. From there, he takes a right turn, drives 5 km and reaches point S. He then takes a final right turn, drives 10 km and stops at point T.

Which of the following will take him to point P from point T?

- (a) Drive 4 km to the north, take a left turn and drive 7 km
(b) Drive 7 km to the east, take a left turn and drive 4 km
(c) Drive 4 km to the west, take a right turn and drive 10 km
(d) Drive 5 km to the east, take right turn and drive 4 km

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question,



It is clear that, Ali has to drive 7 km in the East and then after turning left he has to travel 4 km in the North to reach at point P.

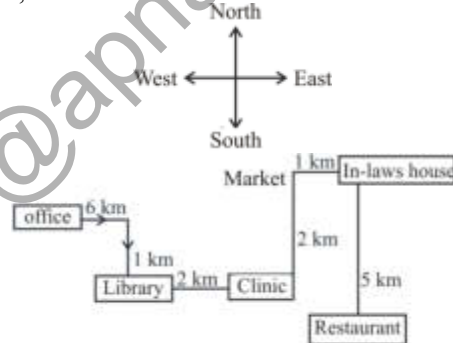
71. P drives 6 km towards East from his office. Then he drives 1 km towards South and reaches the library, from there he takes a left turn and drives 2 km to the clinic, then turns left and drives 2 km to the market, then turns right and drives 1 km to reach his in-laws house and taking his wife, turns right and drives 5 km to a restaurant to have dinner.

On the basis of the given information, which of the following option is correct?

- (a) If P drives 1 km West from the restaurant, then turns right and drives 3 km. he will reach the clinic.
(b) If P drives 5 km South from his office, then turns left and travels 9 km, he will reach the restaurant
(c) The library is in the North-West direction from the market
(d) P's in-laws house is definitely less than 7 km away from his office.

RRB NTPC 24.07.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question, on drawing diagram, we have-



Hence, it is clear from diagram that if P drives 1 km West from the restaurant and then turns right and drives 3 km, then he will reach the clinic.

72. 5 m long ladder is leaning against a wall and it reaches the wall at a point 3 m high. If the foot of the ladder is moved 2.6 m towards the wall then the distance by which the top of the ladder slides upwards on the wall is:

- (a) 1.08 m (b) 5.6 m (c) 1.8 m (d) 4.8 m

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,

From $\triangle DBE$,

$$AB = \sqrt{5^2 - 3^2} \\ = 4 \text{ m}$$

$$BE = 4 - 2.6 \\ = 1.4 \text{ m}$$

From $\triangle DBE$,

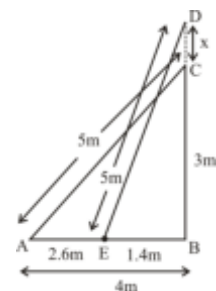
$$ED^2 = EB^2 + DB^2 \\ 5^2 = (1.4)^2 + (3+x)^2$$

$$25 = 1.96 + (3+x)^2$$

$$23.04 = (3+x)^2$$

$$3+x = 4.8$$

$$\Rightarrow x = 1.8 \text{ m}$$





07.

Blood Relation

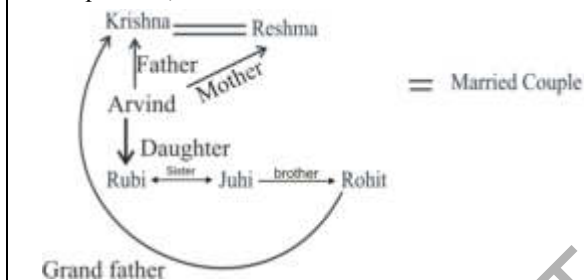
Type – 1 : Problem Based on Relation with Person

1. Rubi and Juhi are sisters. Krishna is Juhi's father's father. Reshma is the mother of Arvind. Arvind is the father of Rohit, who is the only brother of Rubi. How is Krishna related to Rohit?

- (a) Father's father (b) Mother's brother
(c) Mother's father (d) Father

RRB NTPC (Stage-II) –12/06/2022 Shift-I

Ans. (a) : On drawing blood relation diagram according to the question,



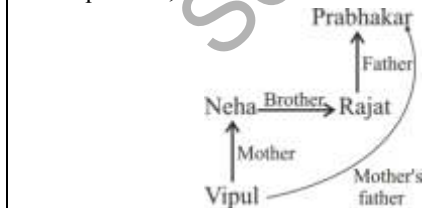
Hence, Krishna is Grandfather (Father's father) of Rohit.

2. Neha is the mother of Vipul. Rajat is Neha's brother. Prabhakar is the father of Rajat. How is Prabhakar related to Vipul?

- (a) Mother's Brother (b) Mother's Father
(c) Father's Father (d) Father's Brother

RRB NTPC (Stage-II) –16/06/2022 (Shift-III)

Ans. (b) : On drawing blood relation diagram according to the question,



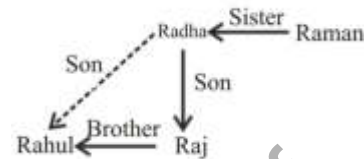
Hence, Prabhakar is the maternal grandfather or Mother's Father of Vipul.

3. Rahul is the brother of Raj. Radha is the sister of Raman. Raj is the son of Radha. Then how is Rahul related to Radha?

- (a) Nephew (b) Son
(c) Uncle (d) Brother

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question, blood relation diagram is as follows.



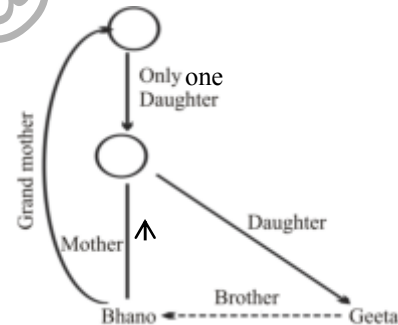
From the given blood relation diagram it is clear that Rahul is the son of Radha.

4. Introducing to Geeta, Bhano Said, "She is the daughter of the only one daughter of my grandmother" How is Bhano related to Geeta choose from the following options?

- (a) Son (b) Brother
(c) Father (d) Maternal Uncle

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question blood relation diagram is as follows –



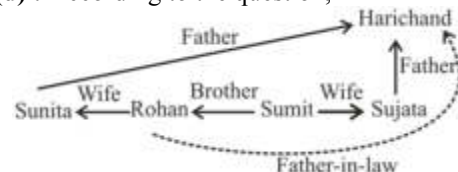
It is clear from the above diagram that Bhano is a brother of Geeta.

5. Rohan is Sumit's brother. Sumit wants to marry Sujata. Sujata is the daughter of Hari Chand. Rohan wants to divorce Sunita. Sujata and Sunita are sisters. How is Harish Chandra related to Rohan?

- (a) Wife's paternal uncle
(b) Father
(c) Brother's father-in-law
(d) Father-in-law

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,



It is clear from the above diagram that Harichand is the father-in-law of Rohan.

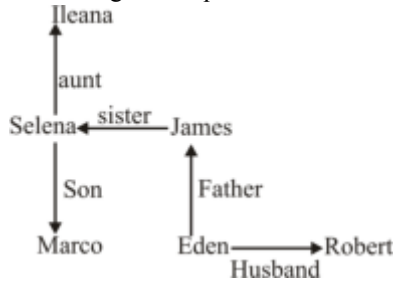


6. Selena is the sister of James and James is the father of Eden. Marco is James's sister's son. Eden's husband Robert has a friend, Ileana, who is Selena's aunt. How is Robert related to James?

(a) Sister's Son (b) Daughter's husband
(c) Wife's Father (d) Son

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question



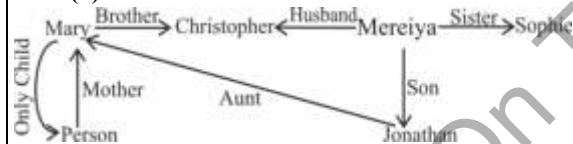
Hence, it is clear from blood relation diagram that Robert is husband of James daughter.

7. If you are the only child of your mother, Mary. Your maternal uncle, Christopher, is the husband of Mereiya. Sophie is the only sister of Mereiya. Jonathan is Sophie's son. How is your mother related to Jonathan?

(a) Father's Sister (b) Father's Mother
(c) Mother's Mother (d) Mother's Sister

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (a) :



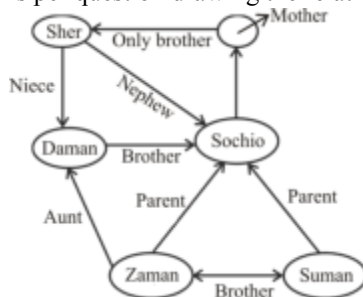
Hence, relationship of man's mother to Jonathan father's sister.

8. Zaman and Saman are brothers who have a single parent, Sochio. Sochio is brother of Daman, Whose mother has an only brother named Sher. Daman is the paternal aunt of Zaman. Sher has only one nephew and one niece. What is the name of Sher's nephew?

(a) Sochio (b) Zaman
(c) Daman (d) Saman

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (a) : As per question drawing the relation diagram.



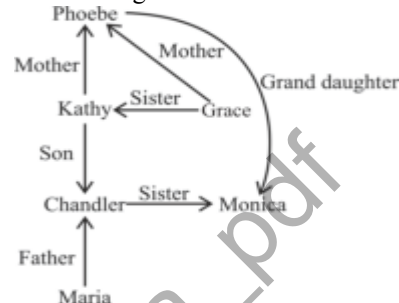
It is clear from diagram that Sochio is the name of Sher's nephew.

9. Monica and Chandler are siblings. Chandler is the nephew of Grace and the father of Maria. Kathy is the sister of Grace. Phoebe is the mother of Kathy. How is Monica related to Phoebe?

(a) Grand daughter (b) Aunt
(c) Niece (d) Daughter

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (a) According to the given statement the blood relation diagram is as follows



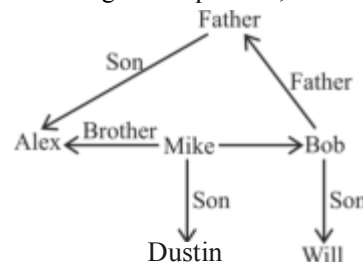
Hence, it is clear from the above that Monica is Phoebe's Granddaughter.

10. Dustin is Mike's son. Will is the name of Bob's son. The son of Bob's father Alex is the brother of Mike. How is Dustin related to Will?

(a) Friend
(b) Brother's son
(c) Father's Brother
(d) Father's Brother's Son

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,



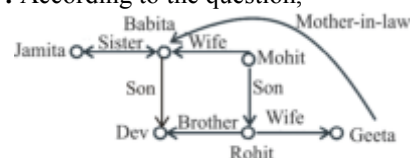
Hence, Dustin is the son of Will's father's brother.

11. Mohit has a son Rohit who is married to Gita. Gita's husband's only brother Dev is the son of Babita. Babita and Jamita are sisters and the only children of their parents. How is Babita related to Gita?

(a) Mother (b) Husband's sister
(c) Mother-in-law (d) Sister

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question,



Hence, it is clear that from above diagram that Babita is the mother in law of Geeta.

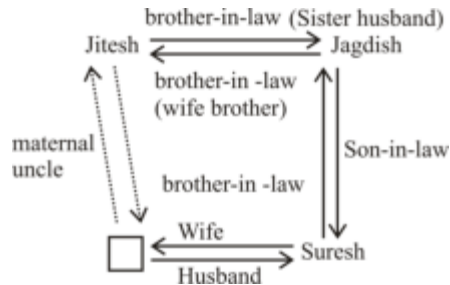


12. Jitesh's brother-in-law Jagdish is also Suresh's father-in-law. How could Suresh's wife be related to Jitesh ?

(a) Aunt (b) Sister-in-law
(c) Niece (d) Cousin

RRB NTPC 23.02.2021 (Shift-I) Stage Ist

Ans. (c) : On drawing blood relation diagram according to the question,



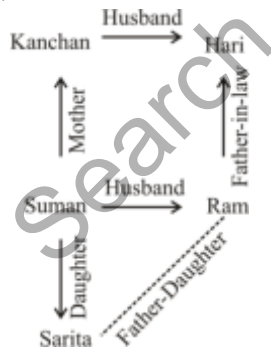
It is clear from the diagram that Suresh's wife will be Jitesh's niece and Jitesh will be Suresh's wife's maternal uncle.

13. Hari is the father-in-law of Ram and husband of Kanchan. Kanchan is the mother of her only daughter Suman. If Sarita is the Daughter of Suman, then what is the relationship between Sarita and Ram?

(a) Niece and maternal uncle
(b) Daughter and Father
(c) Nephew and maternal uncle
(d) Sister and Brother

RRB NTPC 04.03.2021 (Shift-I) Stage Ist

Ans. (b) : On drawing blood relation diagram according to the question,



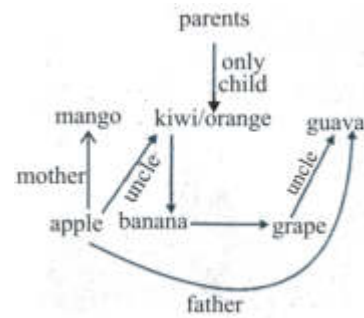
Hence, it is clear from above diagram that Sarita and Ram is related as daughter and Father.

14. Guava is the only uncle of grape, mango is the mother of apple. Kiwi is apple's paternal uncle. Banana and grape are the children of kiwi. Banana's mother, orange, is the only child of her parents. How is Guava related to apple?

(a) Paternal uncle (b) Maternal uncle
(c) Father (d) Brother

RRB NTPC 01.04.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question the blood relation diagram is as follows –



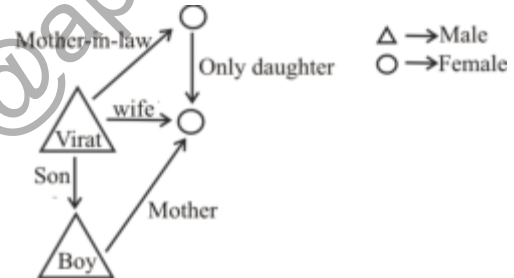
Hence, it is clear from above diagram that Guava is father of apple.

15. Introducing a boy, Virat Said, "His mother is the only daughter of my mother-in-law." How is the boy related to Virat?

(a) Son (b) Uncle
(c) Brother (d) Husband

RRB NTPC 08.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question the blood relation diagram is as follows –



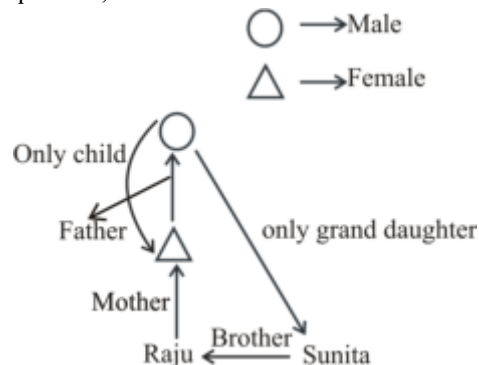
Hence, it is clear from above diagram that the boy is "Son" of Virat.

16. Sohan told Raju, "Yesterday I met your mother's father's only grand daughter Sunita." Raju said that his mother was the only child to her parents. How is Raju related to Sunita?

(a) Brother (b) Father
(c) Sister (d) Nephew

RRB NTPC 04.02.2021 (Shift-II) Stage Ist

Ans. (a) : On drawing blood relation diagram according to the question,



Hence, it is clear from above diagram that Raju is brother of Sunita.

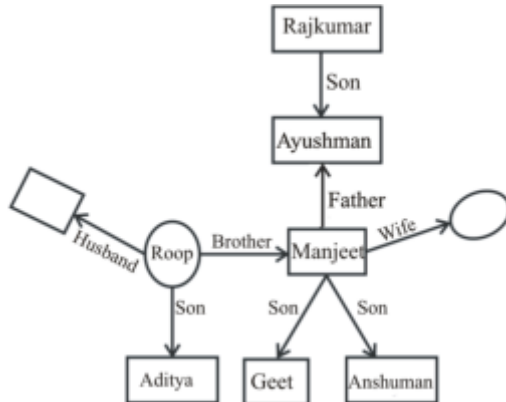


17. Geet and Anshuman are the children of Aditya's Mother's brother. Roop has only one brother-Manjeet and no sister. Ayushman is the son of Rajkumar. Ayushman is the Manjeet's father. Roop's husband and Manjeet's wife have no siblings. If Aditya is Roop's son, how is Manjeet related to Geet?

- (a) Father (b) Uncle
(c) Husband (d) Mother's brother

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (a) : On drawing blood relation diagram according to the question,



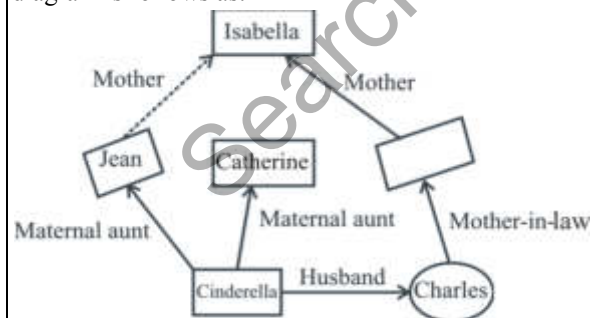
Hence, it is clear from above diagram that Manjeet is father of Geet.

18. Jean and Catherine are the maternal aunts of Cinderella. Charles is the husband of Cinderella. Isabella is the mother of mother-in-law of Charles. How is Isabella related to Jean?

- (a) Mother (b) Maternal Aunt
(c) Grand mother (d) Sister

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question blood relation diagram is follows as:



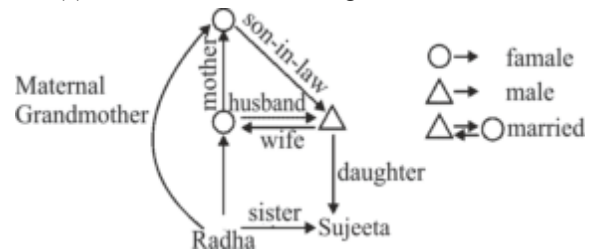
Hence, it is clear from above diagram that Isabella is mother of Jean.

19. Pushpa introduced her friends to Sujeta and Radha by saying, 'Radha's maternal grandmother's only son-in-law is Sujeta's father. From the options given below, how is Sujeta related to Radha'?

- (a) Mother-in-law (b) Maternal aunt
(c) Sister (d) Mother

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (c) : The blood relation diagram is a follows-



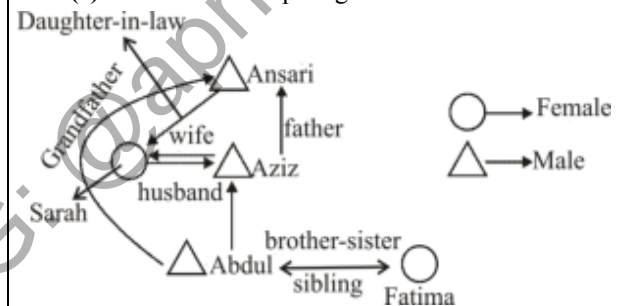
Hence, it is clear from the blood relation diagram that Sujeta is the sister of Radha.

20. Fatima and Abdul are siblings. Fatima's father Aziz is the only son of his parents. Ansari is the paternal grandfather of Abdul. Sarah is the daughter-in-law of Ansari. How is Sarah related to Aziz?

- (a) Sister (b) Mother
(c) Wife (d) Aunt

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (c) : The relationship diagram is as follows-



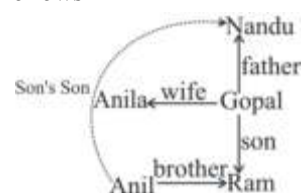
Hence, it is clear from the relation diagram that Sarah is Aziz's wife.

21. Ram has a brother of Anil, Ram is the son of Gopal. Anila is Gopal's wife. Nandu is Gopal's father. How is Anil related to Nandu?

- (a) Father's Bother (b) Father's Father
(c) Brother's Son (d) Son's Son

RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question, the blood relation diagram is as follows-



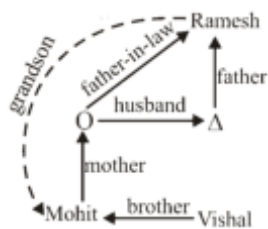
Hence, it is clear from above diagram that Anil is the son of Nandu's son.

22. Ramesh is the father-in-law of Mohit's mother. Mohit is the only brother of Vishal. How is Mohit related to Ramesh.

- (a) Son (b) Son's son
(c) Son-in-law (d) Daughter's son

RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (b) : According to the diagram blood relation is as follows-



So, it is clear that Mohit is son of Ramesh's son.

23. Shanti's daughter Chandini is married to Abhi. Anchal is married to Sandy, the grandson of Shanti. Abhi's grandson is Karan. Rashmi is the mother of Karan. Shaurya is Anchal's son. How is Shaurya related to Karan?

- (a) Nephew (b) Son
(c) Cousin (d) Brother

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (c) : On drawing blood relation diagram according to the question,



It is clear that Shaurya is Karan's Cousin.

24. Pradeep says, “Vishal’s mother is the only daughter of my mother”. How is Pradeep related to Vishal?
- (a) Father (b) Brother
(c) Grandfather (d) Maternal uncle

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question, blood relation diagram is follows as-

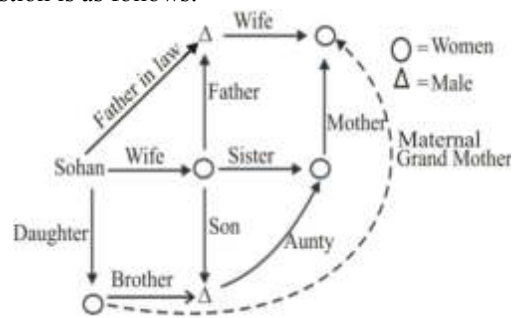


Hence, from above diagram it is clear that Pradeep is Vishal's maternal uncle.

25. Introducing a women, Sohan said, " She is the mother of the aunt of my father-in-law's daughter's son". How is that women related to Sohans daughter?
- (a) Aunt (b) Mother
(c) Maternal grandmother (d) daughter in laws

RRB NTPC 25.01.2021 (Shift-II) Stage Ist

Ans. (c) : The blood relation diagram according to the question is as follows:

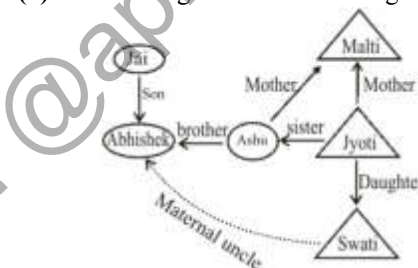


So, it is clear that the woman is the maternal grandmother of Sohan's daughter.

26. Abhishek is the brother of Ashu who is the son of Jai. Swati is the daughter of Jyoti. Malti is the mother of Ashu and Jyoti. How is Abhishek related to Swati?
- (a) Mother's Brother (b) Brother
(c) Father (d) Brother's Son

RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (a) : On making blood relation diagram-

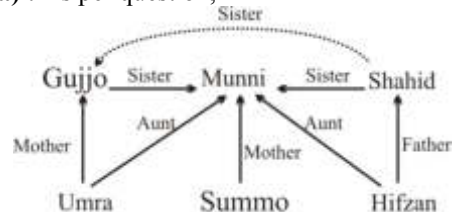


Hence, it is clear from above diagram that Abhishek is the brother of Swati's mother.

27. **Gujjo is Umra's mother. Munni is Summo's mother. Shahid is Hifzan's father. Munni is Hifzan's paternal aunt and Umra's maternal aunt. How is Gujjo related to Shahid?**
- (a) Sister (b) Brother's Wife
(c) Brother's Daughter (d) Sister's Daughter

RRB NTPC 08.04.2021 (Shift-II) Stage Ist

Ans. (a) : As per question,



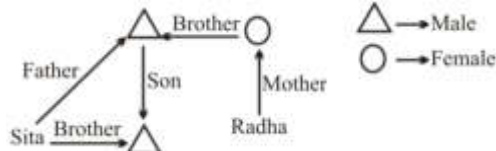
Hence, Gajjo is the sister of Shahid.

- 28. Radha told Sita, "My mother's only brother's son is your brother". How is Radha related to Sita?**
- (a) Father's sister's daughter
(b) Sister
(c) Father's sister's
(d) Mother's brother's daughter

RRB NTPC 23.01.2021 (Shift-II) Stage Ist



Ans. (a) : On making blood relation diagram according to the question–



It is clear from the above diagram that Radha is the daughter of Sita's father's sister.

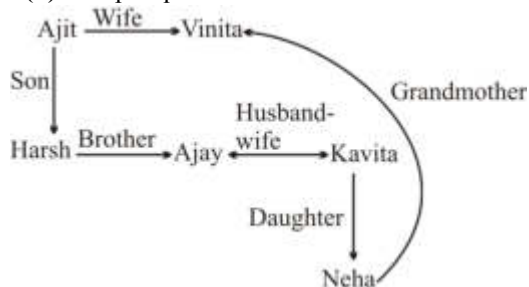
29. Harsh is the son of Ajit. Vinita is the wife of Ajit. Ajay is the brother of Harsh. Neha is the only daughter of Ajay and Kavita.

How is Vinita related to Neha?

- (a) Father's Sister (b) Mother
(c) Sister (d) Father's mother

RRB NTPC 27.01.2021 (Shift-II) Stage Ist

Ans. (d) : As per question



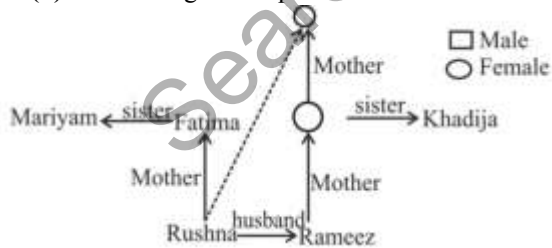
Hence, Vinita is the mother of Neha's father.

30. Fatima has only one sibling. She also has only one daughter Rushna. Rushna and Rameez are married to each other. Their maternal aunts are Mariyam and Khadija, respectively. How is Khadija's mother related to Mariyam's niece?

- (a) Husband mother
(b) Husband mother's mother
(c) Mother's sister
(d) Mother's mother

RRB NTPC 08.02.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question–



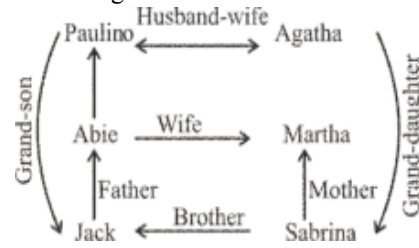
It is clear from the diagram that Khadija's mother Mariyam's niece is husband mother's mother.

31. Abie and Jack are father and son, respectively. Jack is the grandson of Paulino. Sabrina and Martha are daughter and mother, respectively. Sabrina is the grand-daughter of Agatha. If Agatha and Paulino are married and have a single child. How is Jack related to Sabrina?

- (a) Father (b) Brother
(c) Uncle (d) Husband

RRB NTPC 08.02.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question–
Blood relation diagram is as follows–



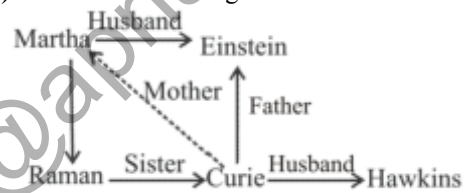
So, it is clear from the diagram that Jack is Sabrina's brother.

32. Hawkins is Raman's sister's husband. Raman is Curie's brother, Einstein is Curie's father and Martha's husband. Martha has two children and two nephews. How is Martha related to Hawkins's wife?

- (a) Mother (b) Sister
(c) Maternal Aunt (d) Mother-in-law

RRB NTPC 22.02.2021 (Shift-II) Stage Ist

Ans. (a) : Blood relation diagram is as follows–



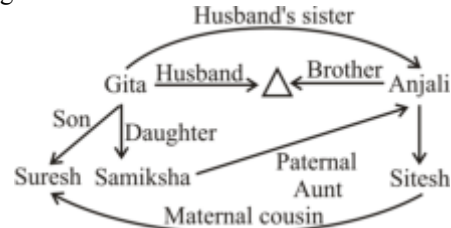
It is clear that Martha is the Hawkins's wife mother.

33. Sitesh and Suresh are maternal cousins. the mother of Suresh, Gita has a daughter Samiksha. Anjali is Samiksha's paternal aunt. How is Anjali related to Gita?

- (a) Husband's sister (b) Mother's sister
(c) Brother's wife (d) Paternal Aunt

RRB NTPC 08.03.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question, the blood relation diagram is as follows:



Hence, Anjali is Gita's husband's sister.

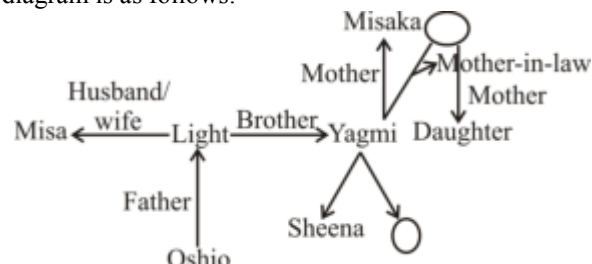
34. Misa is married to Light, Light's elder brother Yagmi has two daughter and no Son, Sheena is the Younger of the two. Mikasa is Sheena's grandmother. Oshio is Mikasa's grandson. Yagmi's mother-in-law has only one child. Mikasa has only two children and Misa is Mikasa's daughter-in-law. What is the relation of light with the oshio?

- (a) Father's Brother (b) Son
(c) Father's Father (d) Father

RRB NTPC 19.03.2021 (Shift-I) Stage Ist



Ans. (d) : According to the question the blood relation diagram is as follows:



Hence, Light is the father of Oshio.

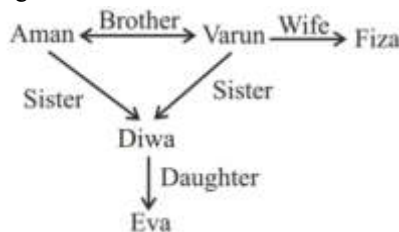
35. Aman and Varun are brothers. Eva is the daughter of Diwa. Diwa is the sister of Fiza's husband Varun.

How is Eva related to Aman ?

- (a) Brother's daughter
(b) Brother's wife's sister
(c) Sister's daughter
(d) Daughter

RRB NTPC 31.07.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question, on drawing blood relation diagram,



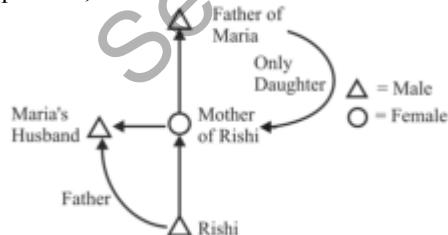
Hence, it is clear that Eva is the daughter of Aman's sister.

36. Rishi's mother is the only daughter of Maria's father. What is the relation between Maria's husband and Rishi?

- (a) Uncle (b) Father
(c) Grandfather (d) Brother

RRB NTPC 30.04.2016 Shift : 1

Ans. (b) On drawing blood relation diagram according to the question,



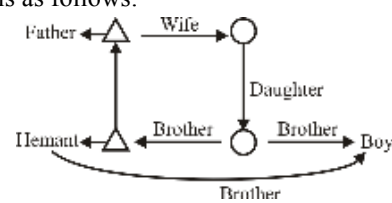
Hence, Maria's husband is the father of Rishi.

37. Hemant said to Naitik, "That boy who is playing football is the younger of the two brothers of the daughter of my father's wife." "How is the boy who is playing football related to Hemant ?

- (a) Son (b) Brother
(c) Cousin (d) Nephew

RRB NTPC 29.04.2016 Shift : 2

Ans. (b) According to the question, the blood relation diagram is as follows:



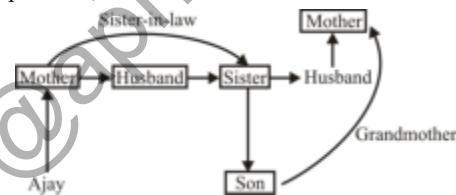
Hence, the boy who is playing football is Hemant's brother.

38. Ajay says, "That woman is the grandmother of son of my mother's only sister-in-law." If Ajay's father has only one brother and Ajay's mother has no brother. Then how is the woman related to Ajay?

- (a) Grandmother (b) Wife
(c) Maternal Grandmother (d) Mother

RRB NTPC 28.04.2016 Shift : 3

Ans. (a) On drawing blood relation diagram according to the question,



Mother-in-law of Ajay's Aunt is Grandmother of Ajay.

39. Divya says, "That lady is the grandmother of the son of only brother of my husband's sister." How is that lady related to Divya.

- (a) Mother
(b) Mother-in-law
(c) Maternal Aunt
(d) Maternal Grandmother

RRB NTPC 28.04.2016 Shift : 2

Ans. (b) On drawing blood relation diagram according to the question,



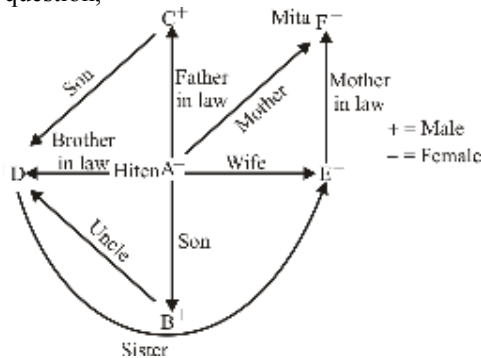
Hence, that woman is Divya's mother in law.

40. Hiten introduced Mita as mother-in-law of the only sister of the only son of his son's maternal grandfather. How is Mita related to Hiten ?

- (a) Mother
(b) Mother in law
(c) Wife
(d) Maternal Aunt

RRB NTPC 28.04.2016 Shift : 2

Ans. (a) On drawing blood relation diagram according to the question,

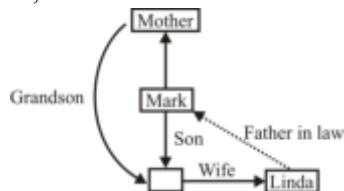


Hence, it is clear from blood relation diagram that Mita is Hiten's mother.

41. Mark says, "Linda is the wife of my mother's grandson." How is Mark related to Linda ?
- (a) Father (b) Grandfather
(c) Father in law (d) Husband

RRB NTPC 26.04.2016 Shift : 3

Ans. (c) On drawing blood relation diagram according to the question,

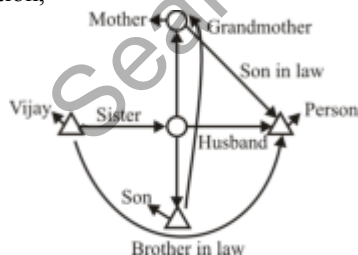


Hence, Mark is father in law of Linda.

42. Vijay says, "This person is the son-in-law of the maternal grandmother of my sister's son." If vijay has only one brother or sister, then how is that person related to Vijay?
- (a) Brother (b) Brother in law
(c) Maternal Uncle (d) Cousin Brother

RRB NTPC 22.04.2016 Shift : 3

Ans. (b) On drawing blood relation diagram according to the question,

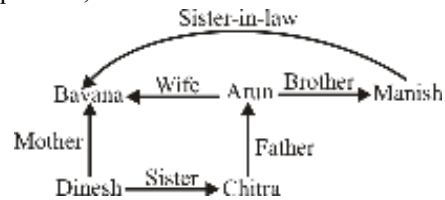


That person is Vijay's brother in law.

43. Arun is the father of Chitra and Dinesh is the son of Bawana. Manish is the Arun's brother. If Chitra is Dinesh's sister. Then how is Bawana related to Manish?
- (a) Daughter
(b) Sister
(c) Mother in law
(d) Sister in law

RRB NTPC 19.01.2017 Shift : 3

Ans. (d) On drawing blood relation diagram according to the question,

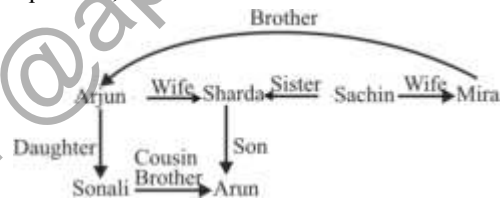


Hence, Bavana is the sister-in-law of Manish.

44. Mira is the wife of Sachin. Sachin's sister is Sharada and she is Arjun's wife. Arun is the son of Sharda. Arjun is Mira's brother. Sonali is the daughter of Arjun. What is relationship between Arun and Sonali ?
- (a) Father
(b) Brother
(c) It cannot be decided
(d) Uncle

RRB NTPC 19.01.2017 Shift : 2

Ans. (b) On drawing blood relation diagram according to the question,

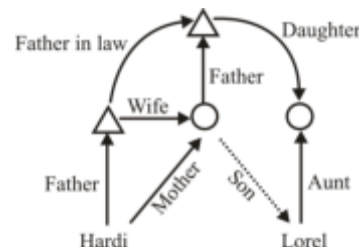


Hence, Arun is brother of Sonali.

45. Hardy said, "Lorel's aunt is the first daughter of my father's father-in-law. My maternal grandmother had only two daughters." How is Lorel related to Hardy's mother?
- (a) Niece (b) Son
(c) Sister (d) Aunt

RRB NTPC 07.04.2016 Shift : 2

Ans. (b) On drawing blood relation diagram according to the question,



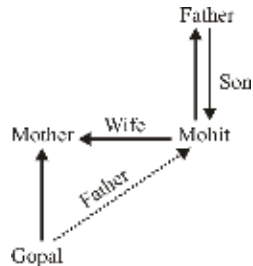
Hence, Lorel is the son of Hardi's mother.

46. Gopal's mother is the wife of the son of Mohit's father son. Mohit has no brother or sister. How is Gopal and mohit related?
- (a) Father-Son (b) Uncle-Nephew
(c) Son-Father (d) Grandson-Grandfather

RRB NTPC 09.04.2016 Shift : 3



Ans. (c) On drawing blood relation diagram according to the question,



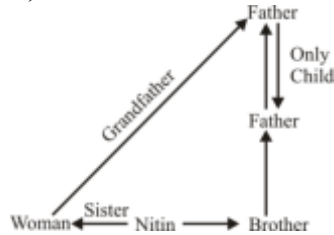
Hence, Mohit is the father of Gopal.

47. Introducing Nitin to her husband a woman said, "His brother's father is the only child of my grandfather." How is this woman related to Nitin?

- (a) Mother (b) Aunt
(c) Sister (d) Daughter

RRB NTPC 11.04.2016 Shift : 3

Ans. (c) On drawing blood relation diagram according to the question,



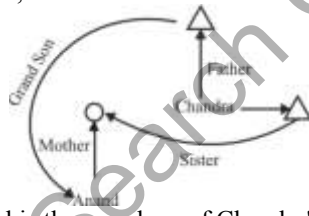
Hence, that woman is the sister of Nitin.

48. Anand's mother is the sister of the son of Chandra's father. How is Anand related to Chandra's father?

- (a) Grandfather (b) Father
(c) Uncle (d) Grandson

RRB NTPC 11.04.2016 Shift : 2

Ans. (d) On drawing blood relation diagram according to the question,



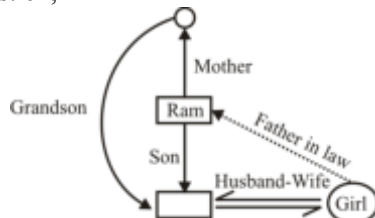
Hence, Anand is the grandson of Chandra's father.

49. Ram said, "This girl is the wife of the grandson of my mother." How is Ram related to the girl?

- (a) Husband (b) Father
(c) Father-in-law (d) Grandfather

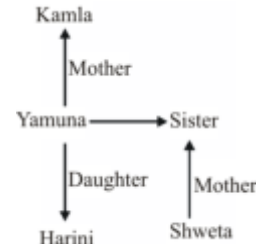
RRB NTPC 11.04.2016 Shift : 1

Ans. (c) On drawing blood relation diagram according to the question,



Hence, Ram is father-in-law of the girl.

50. How is Shweta related to Kamala ?



- (a) Niece (b) Granddaughter
(c) Daughter (d) Sister

RRB NTPC 12.04.2016 Shift : 2

Ans. (b) According to the given blood relation diagram,



Hence, it is clear from blood relation diagram that Shweta is Kamala's granddaughter.

Direction [128–130] Study the following information carefully and answer the questions given below.

Ajit is the son of Kumar. Kumar's sister Sushmita has a son Deepak and a daughter Harishma. Babu is Deepak's maternal uncle?



51. How is Harishma related to babu?

- (a) Daughter (b) Niece
(c) Sister (d) Wife

RRB NTPC 16.04.2016 Shift : 2

Ans. (b) It is clear from the above figure, Harishma is niece of Babu.

52. How many nephews have babu?

- (a) One (b) Two
(c) Three (d) Zero

RRB NTPC 16.04.2016 Shift : 2

Ans. (c) It is clear from the above figure, Babu has three nephews (Deepak, Ajit and Harishma).

53. How is Ajit related to deepak?

- (a) Nephew (b) Brother
(c) Uncle (d) Cousin

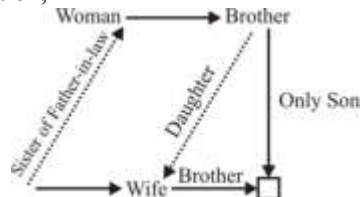
RRB NTPC 16.04.2016 Shift : 2

Ans. (d) It is clear from the above figure, Ajit is Deepak's cousin.

54. Pointing to a woman, I said that her brother's only son is my wife's brother. How is the woman related to me?
- (a) Sister of Father in law
 - (b) Mother in law
 - (c) Sister in law
 - (d) Sister

RRB NTPC 19.04.2016 Shift : 2

Ans. (a) On drawing blood relation diagram according to the question,

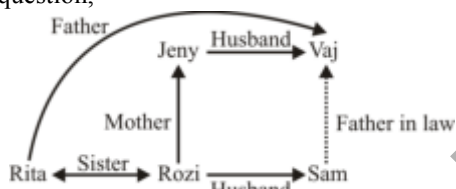


Hence, that woman is the sister of my father in law.

- 55. Sam is Rozi's husband. Jenny is the mother of Rita and Rozi. Vaj is Rita's father. How is Vaj related to Sam?**
- (a) Brother (b) Father in law
(c) Father (d) Son

RRB NTPC 18.01.2017 Shift : 1

Ans. (b) On drawing blood relation diagram according to the question,

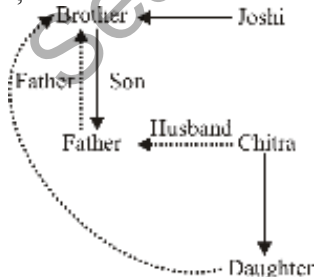


Hence, Vaj is father-in-law of Sam.

56. Joshi said to Chitra, "Your daughter's father is the son of my brother." How is Joshi's brother related to Chitra's daughter?
- (a) Son (b) Uncle
(c) Grandfather (d) Grandson

RRB NTPC 28.03.2016 Shift : 2

Ans. (c) On drawing blood relation diagram according to the question,

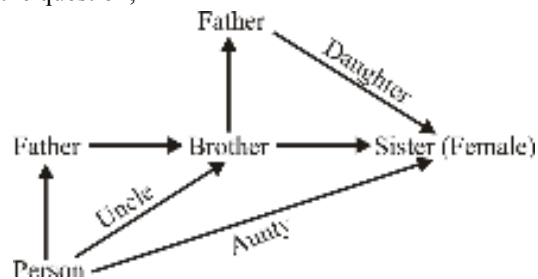


Hence, Joshi's brother is the grandfather of Chitra's daughter.

57. A man introduces a lady as the daughter of the father of his uncle. His uncle has only one brother. The lady is the man's _____.
- (a) Mother (b) Paternal Aunt
(c) Sister (d) Daughter

RRB NTPC 30.03.2016 Shift : 1

Ans : (b) On drawing blood relation diagram according to the question,

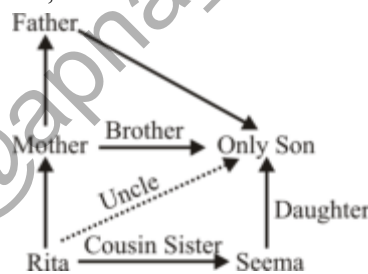


Hence, the lady is paternal Aunt of that person.

- 58. Rita introduced Seema as daughter of only son her mother. How is Rita related to Seema?**
- (a) Cousin (b) Paternal Aunt
- (c) Niece (d) Maternal Aunt

RRB NTPC 02.04.2016 Shift : 3

Ans. (a) On drawing blood relation diagram according to the question,

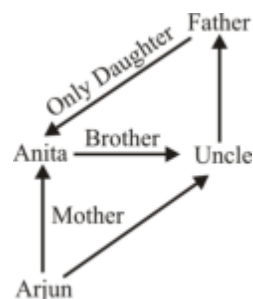


Hence, Rita is Seema's Cousin.

59. Anita is the only daughter of the father of Arjun's maternal uncle. How is Anita related to Arjun?
- (a) Sister (b) Mother
(c) Aunt (d) Grandmother

RRB NTPC 02.04.2016 Shift : 1

Ans. (b) On drawing blood relation diagram according to the question,



Hence, Anita is mother of Arjun.

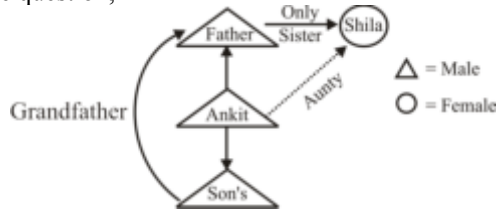
60. Ankit introduced Shila as only sister of his son's grandfather. How is Shila related to Ankit?

- (a) Mother (b) Aunt
(c) Sister (d) Daughter

RRB NTPC 03.04.2016 Shift : 3



Ans. (b) On drawing blood relation diagram according to the question,



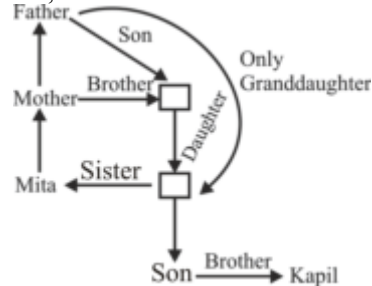
Hence, it is clear from above diagram that Shila is Aunt of Ankit.

61. Kapil is the brother of son of the only granddaughter of the father of Mita's mother. How is Kapil related to Mita?

- (a) Son (b) Uncle
(c) Nephew (d) Grandson

RRB NTPC 03.04.2016 Shift : 3

Ans. (c) On drawing blood relation diagram according to the question,



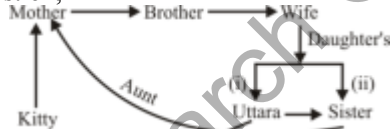
Hence, Kapil is Nephew of Mita.

62. Kitty said, "Uttara is one of the two daughters of my mother's brother's wife." How is Uttara's sister related to Kitty's mother?

- (a) Aunt (b) Mother
(c) Granddaughter (d) Sister

RRB NTPC 03.04.2016 Shift : 1

Ans. (a) On drawing blood relation diagram according to the question,



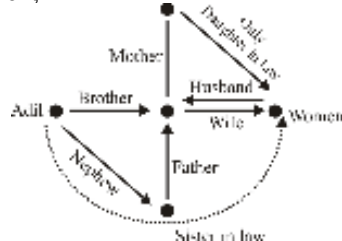
Hence, Kitty's Mother is the aunt of Uttara's sister.

63. Adil said, "That woman is the only daughter-in-law of my nephew's father's mother." If Adil has only one brother then how is the woman related to Adil?

- (a) Sister (b) Mother
(c) Niece (d) Sister in law

RRB NTPC 04.04.2016 Shift : 3

Ans. (d) On drawing blood relation diagram according to the question,



Hence, that woman is sister-in-law of Adil.

64. Guru's mother is the only daughter of Sachin's mother. How is Guru related to Sachin?

- (a) Maternal Uncle (b) Nephew
(c) Brother (d) Father

RRB NTPC 04.04.2016 Shift : 1

Ans. (b) On drawing blood relation diagram according to the question,



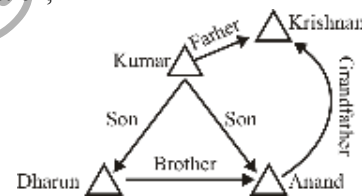
Hence, Guru is the Nephew of Sachin.

65. Dharun has a brother Anand. Dharun is the son of Kumar. Krishnan is Kumar's father. How is Anand related to Krishnan?

- (a) Grandfather (b) Father
(c) Grandson (d) Son

RRB NTPC 17.01.2017 Shift-1

Ans. (c) On drawing blood relation diagram according to the question,



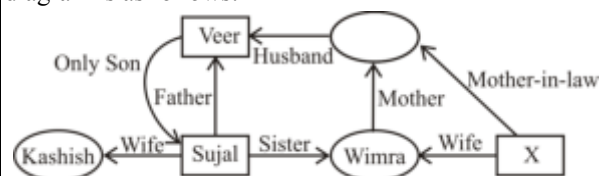
Hence, Anand is grandson of Krishnan.

66. Sujal is the only son of X's mother-in-law's husband Veer. Kashish is the wife of Sujal. Sujal has only one sister named Wimra. How is X related to Wimra?

- (a) Husband (b) Wife
(c) Maternal Uncle (d) Paternal Uncle

RRB NTPC 31.07.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question, blood relation diagram is as follows:



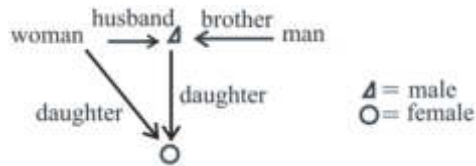
Hence, it is clear from above diagram that "X is husband of Wimra".

67. A man said to a woman, "Your husband's daughter is the daughter of my brother". How is the man related of the woman's daughter?

- (a) Brother (b) Father's Brother
(c) Father (d) Mother's brother

RRB NTPC 01.04.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question the blood relation diagram is as follows-



It is clear from the diagram the man is the brother of the father of the woman's daughter.

Instruction (244-245) Read the following information carefully and answer the questions given below.

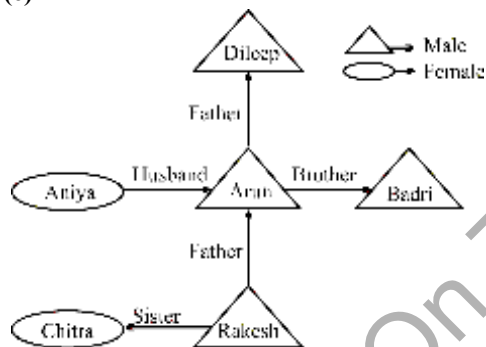
A family has six members. Chitra is the sister of Rakesh. Badri is Aniya's husband's brother. Dileep is father of Arun and grandfather of Rakesh. The family consists of two fathers, three brothers and one mother.

68. How many men are there in the family?

- (a) Three (b) One
(c) Four (d) Two

RRB NTPC 16.04.2016 Shift : I

Ans. (c)



There are 4 men in the family (Arun, Badri, Rakesh, Dileep).

69. Which of the following is the group of brothers?

- (a) Arun, Badri, Dileep
(b) Arun, Badri, Rakesh
(c) Badri, Rakesh, Chitra
(d) Badri, Dileep, Rakesh

RRB NTPC 16.04.2016 Shift : I

Ans. (b) Group of brothers in family
= Arun, Badri, Rakesh

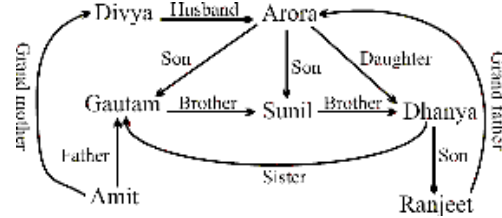
Instruction (70-72): Read the following extract carefully and answer the question based on it—
Ranjeet is the son of Amit's father's sister. Sunil is the son of Divya who is mother of Gautam and grandmother of Amit. Arora is father of Dhanya and grandfather of Ranjeet. Divya is the wife of Arora.

70. How is Sunil related to Dhanya?

- (a) Son (b) Brother
(c) Nephew (d) Uncle

RRB NTPC 18.04.2016 Shift : III

Ans. (b)



It is clear from the above blood relation diagram that Sunil is the brother of Dhanya.

71. How is Ranjeet related to Divya?

- (a) Brother (b) Nephew
(c) Son (d) Grandson

RRB NTPC 18.04.2016 Shift : III

Ans. (d) : It is clear from the above blood relation diagram that Ranjeet is the grandson of Divya.

72. How is Gautam's wife related to Dhanya?

- (a) Sister-in-law (b) Sister
(c) Niece (d) Mother

RRB NTPC 18.04.2016 Shift : III

Ans. (a) : It is clear from the above blood relation diagram that Dhanya is the wife of Gautama.

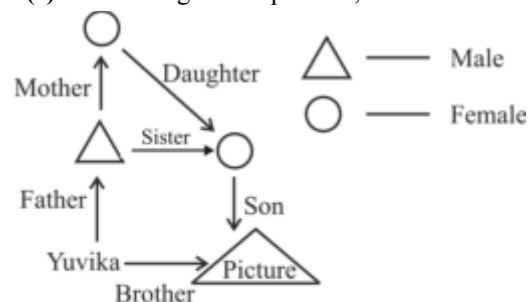
Type – 2 : Problems Based on Photograph/Indication

73. Pointing at a picture, Yuvika said that the boy in the picture is the son of her father's mother's daughter. How is that boy related to Yuvika?

- (a) Mother's brother's son
(b) Father's brother
(c) Father's sister's son
(d) Brother

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (c) : According to the question,



Hence, the boy is the cousin of Yuvika or the son of the father's sister.

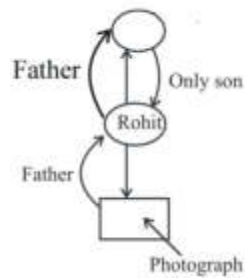
74. Pointing to a photograph, Rohit said, "She is the daughter of the only son of my father." How is Rohit related to the girl in the photograph?

- (a) Cousin (b) Brother
(c) Father (d) Uncle

RRB NTPC 07.01.2021 (Shift-I) Stage Ist



Ans. (c) : Blood relation diagram according to the question is -

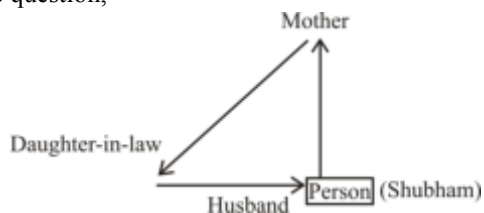


Hence, it is clear from the diagram that Rohit is the father of the girl in the photograph.

75. Shubham said, "I have no brother or sister. This man in the photograph is the husband of my mother's daughter-in-law". Whose photograph is Shubham referring to?
- (a) Son-in-law (b) Cousin
(c) Son (d) Self

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (d) : On drawing blood relation diagram according to the question,

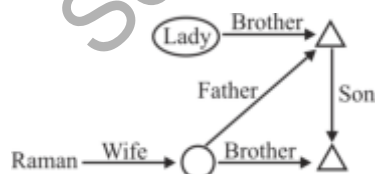


So it is clear from the above blood relation diagram that Shubham is referring to the picture of himself.

76. Pointing to a lady, Raman said, "The son of her only brother is the brother of my wife." How is the lady related to Raman?
- (a) Wife's father's sister
(b) Father's sister
(c) Wife's mother
(d) Wife's brother's wife

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (a) : On arranging the relationship according to the question—



So, it is clear from the blood relation diagram that the woman is related to Raman, the sister of the wife's father.

77. Pointing to a lady, Ajay said, "She is the only daughter of my mother's father. She has two children. Her only son's wife is Reeta." Ajay is the lady's _____
- (a) Son (b) Brother
(c) Nephew (d) Husband

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question,



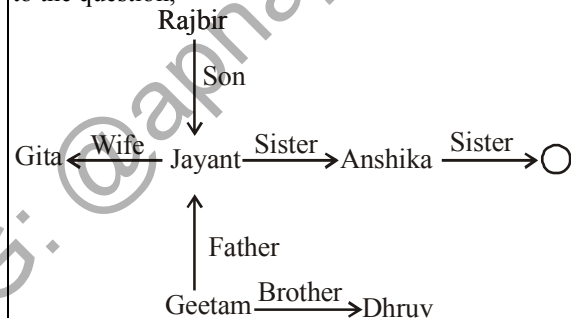
Hence, it is clear from the blood relation diagram that Ajay is the son of women.

78. Pointing to Jayant, Gita said 'He is the only son of Rajbir, who has two sisters and one of them is Anshika'. Dhruv is the brother of Geetam. Rajbir is the paternal grandfather of Geetam, who is the daughter of Gita. Then how Jayant is related to Gita?

- (a) Brother (b) Husband
(c) Sister's Husband (d) Father

RRB NTPC 29.01.2021 (Shift-I) Stage Ist

Ans. (b) : On drawing blood relation diagram according to the question,



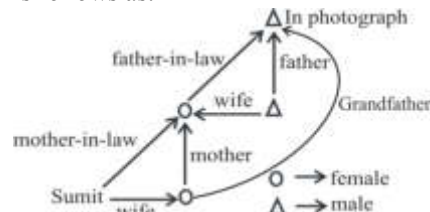
Hence, it is clear from above diagram that Jayant is related to Gita as her husband.

79. Pointing to a photograph, sumit said, "The man in the picture is the father-in-law of my mother-in law" How is the man in the picture related to sumit's wife.

- (a) Father (b) Grand Father
(c) Husband's Father (d) Grand Father

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question blood relation diagram is follows as:



Hence, it is clear from blood relation diagram that the man in the picture is the grand father of Sumit's wife.

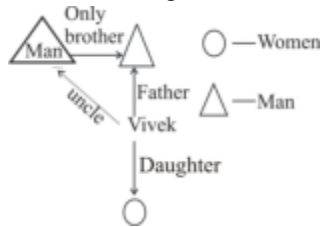
80. Pointing towards a man, Vivek said, "His only brother is the father of my daughter's father". From among the given options, how could the man be related to Vivek?

- (a) Father-in-law (b) Brother
(c) Uncle (d) Father

RRB NTPC 10.01.2021 (Shift-II) Stage Ist



Ans. (c) : Blood relation diagram is as follows:



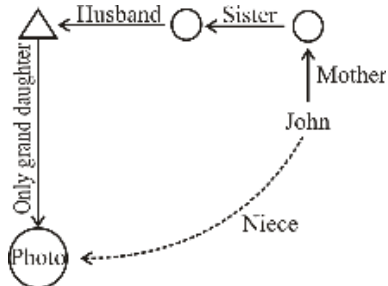
It is clear from the blood relation diagram that the man will be uncle of Vivek.

81. Pointing to a photograph John said, "She is the only grand daughter of the husband of my mother's sister." How is the person in the photograph related to John.

- (a) Granddaughter (b) Daughter
(c) Sister (d) Niece

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question, blood relation diagram is follows as:



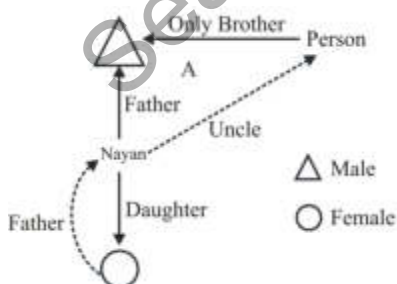
Hence, it is clear from the blood relation diagram that, the person in the photo is related to John's niece.

82. Pointing to a person Nayan says, "His only brother is the father of my daughter's father." How is the person related to Nayan?

- (a) Father (b) Grandfather
(c) Uncle (d) Brother-in-law

RRB NTPC 29.04.2016 Shift : 3

Ans. (c) : According to the question the blood relation diagram is as follows:



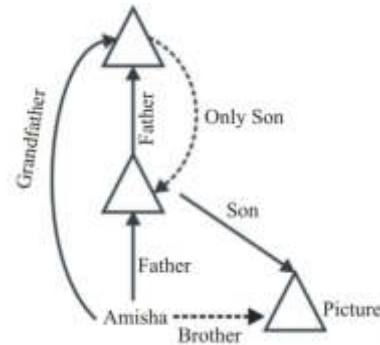
Hence, the person is Nayan's uncle.

83. Pointing to a picture, Amisha says, "He is the son of my grandfather's only son." How is the person in the picture related to Amisha?

- (a) Brother (b) Uncle
(c) Son (d) Father

RRB NTPC 29.04.2016 Shift : 3

Ans. (a) According to the question the blood relation diagram is as follows:



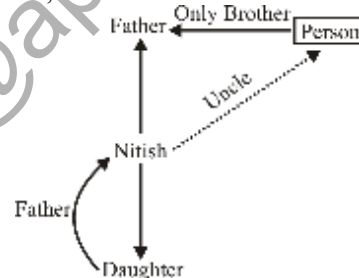
Hence, the person in the picture is brother of Amisha.

84. Pointing to a person, Nitish Says, "His only brother is the father of my daughter's father." How is the person related to Nitish?

- (a) Father (b) Grandfather
(c) Uncle (d) Brother-in-law

RRB NTPC 30.04.2016 Shift : 3

Ans. (c) On drawing blood relation diagram according to the question,



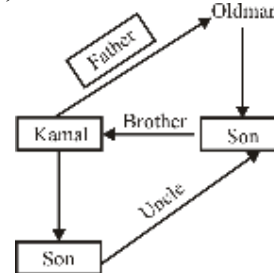
Hence, that person is uncle of Nitish.

85. Pointing to an old man, Kamal said, "His son is my son's uncle." How is that old man related to Kamal ?

- (a) Brother (b) Uncle
(c) Father (d) Grandfather

RRB NTPC 30.04.2016 Shift : 1

Ans. (c) On drawing blood relation diagram according to the question,



Hence, that Old man is Kamal's father.

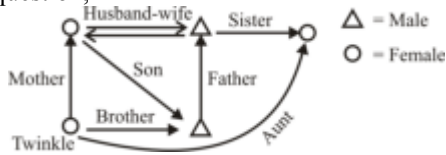
86. Pointing to the lady in the metro, Twinkle said, "She is the sister of the father of my mother's son." How is that lady related to Twinkle ?

- (a) Mother (b) Sister
(c) Aunt (d) Niece

RRB NTPC 29.04.2016 Shift : 2



Ans. (c) On drawing blood relation diagram according to the question,



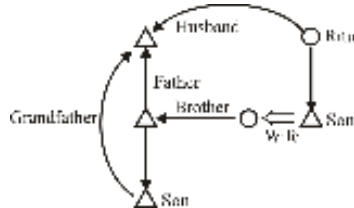
Hence, the lady is Twinkle's Aunt.

87. Pointing towards a picture of a person Ritu says, "He is the grandfather of the only nephew of only unmarried brother of my son's wife." How is the person related to Ritu?

- (a) Husband
(b) Father
(c) Father-in-law
(d) Grandfather

RRB NTPC 28.04.2016 Shift : 3

Ans. (a) Hence, the person in the picture will be Ritu's husband.

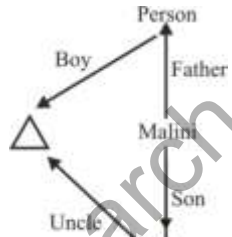


88. Pointing towards an old man, Malini said, "His son is the maternal uncle of my son." How is the old man related to Malini?

- (a) Father
(b) Niece
(c) Grandfather
(d) Brother

RRB NTPC 19.01.2017 Shift : 3

Ans. (a) On drawing blood relation diagram according to the question,



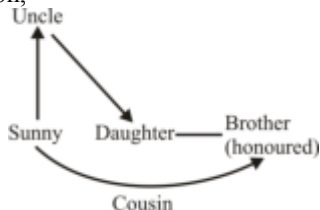
Hence, the old man is Malini's Father.

89. Pointing to the man and receiving the award, Sunny said, 'He is the brother of my uncle's daughter. How is the man related to Sunny?

- (a) Cousin
(b) Brother-in-law
(c) Nephew
(d) Uncle

RRB NTPC 07.04.2016 Shift : 3

Ans. (a) On drawing blood relation diagram according to the question,



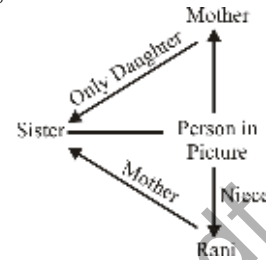
Hence, that person is cousin of Sunny.

90. The Rani said pointing to a man in a Photo, "His mother's only daughter is my mother." How is Rani related to the man?

- (a) Wife
(b) Sister
(c) Niece
(d) Nephew

RRB NTPC 07.04.2016 Shift : 3

Ans. (c) On drawing blood relation diagram according to the question,



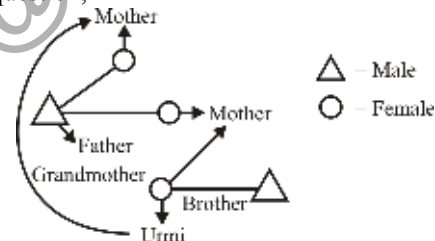
Hence, Rani is niece of that man.

91. Pointing to a woman, Urmi said, "She is the daughter-in-law of grandmother of my father's only son." How is this woman related to Urmi?

- (a) Sister in law
(b) Mother
(c) Sister
(d) Mother in law

RRB NTPC 11.04.2016 Shift : 3

Ans. (b) On drawing blood relation diagram according to the question,

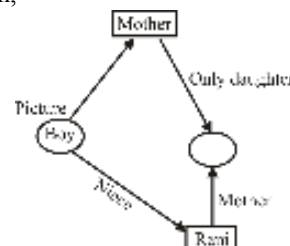


92. Pointing to a boy in a picture, Rani said, "His mother's only daughter is my mother." How is the Rani related to that boy?

- (a) Wife
(b) Sister
(c) Niece
(d) Nephew

RRB NTPC 11.04.2016 Shift : 1

Ans. (c) On drawing blood relation diagram according to the question,



Hence, Rani is the niece of that boy.

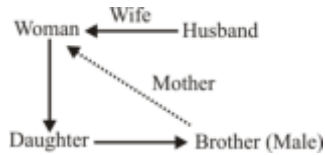
93. Pointing to a man, a woman said "He is the brother of the daughter of my husband's wife." How is the woman related to that man?

- (a) Son
(b) Mother
(c) Father
(d) Sister

RRB NTPC 19.04.2016 Shift : 1



Ans. (b) On drawing blood relation diagram according to the question,



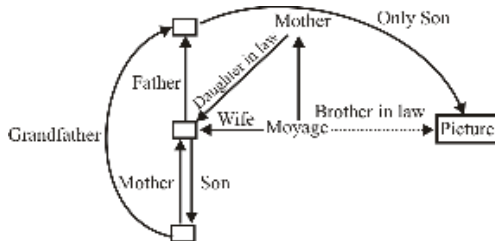
Hence, woman is the mother of that man.

94. Moyage pointed to a picture saying that this person is the only son of maternal grandfather of the son of the my mother's only daughter-in-law. If Moyage does not have a brother (except just one sister), then how is the person mentioned in that picture related to Moyage?

- (a) Maternal Uncle (b) Grandfather
(c) Paternal Uncle (d) Brother in law

RRB NTPC 18.01.2017 Shift : 3

Ans. (d) On drawing blood relation diagram according to the question,



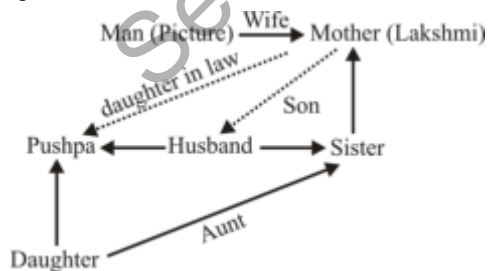
Hence, the person in the picture is the brother-in-law of Moyage.

95. Looking at a picture Pushpa said, "This man's wife Lakshmi is the mother of my daughter's Aunt. How is Pushpa related to Lakshmi?"

- (a) Mother in law (b) Grandmother
(c) Mother (d) Daughter in law

RRB NTPC 31.03.2016 Shift : 3

Ans. (d) On drawing blood relation diagram according to the question,



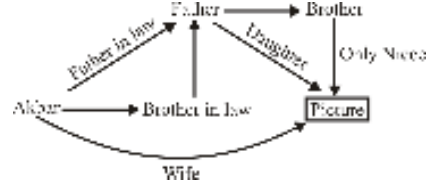
Hence, Pushpa is Lakshmi's daughter-in-law.

96. Akbar pointed to a picture and said, "She is the only niece of my brother-in law's father's brother." How is she related to Akbar?

- (a) Daughter (b) Sister
(c) Sister-in-law (d) Wife

RRB NTPC 04.04.2016 Shift : 3

Ans. (d) On drawing blood relation diagram according to the question,



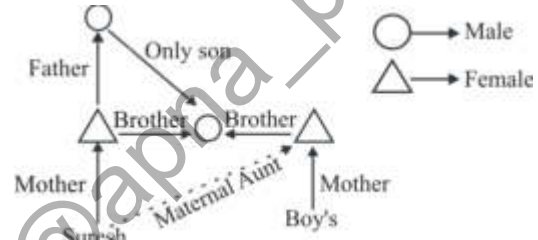
Hence, the woman in the picture is the wife of Akbar.

97. Pointing to a boy, Suresh said, "His mother's brother is the only son of my Mother's father". How is the boy's mother related to Suresh?

- (a) Maternal Aunt (b) Sister
(c) Grandmother (d) Mother

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question blood relation diagram is as follows.



Hence, It is clear from diagram that mother of boy is Maternal Aunt of Suresh.

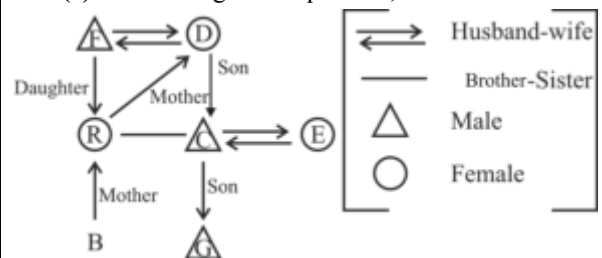
Type - 3 : Problem Based on Letter Relation

98. B's mother is the daughter of F. C is the son of F and D, G is the son of C and E. D is the mother of R. How is F related to G?

- (a) Father's mother (b) Brother
(c) Father's father (d) Mother's father

RRB NTPC (Stage-II) -15/06/2022 (Shift-I)

Ans. (c) : According to the question,



Hence, It is clear from above that F is father's father of G.

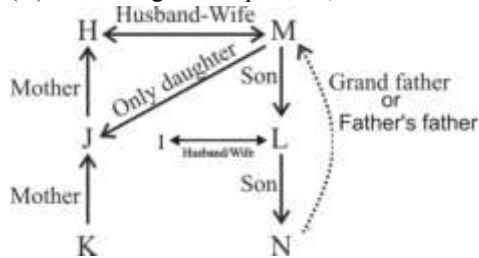
99. There are seven members, H, I, J, K, L, M and N, in family. H is K's mother's mother. J and L are the only two children of H and M. J is the only daughter of M. N is the son of L and I. How is M related to N?

- (a) Father's father (b) Father's sister
(c) Mother's brother (d) Mother's father

RRB NTPC (Stage-II) -12/06/2022 (Shift-II)



Ans : (a) According to the question,



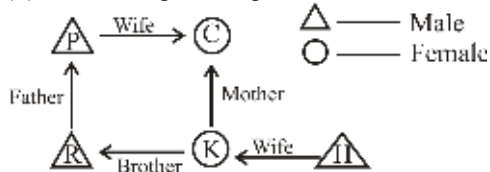
Hence, It is clear from above relation that M is N's Father's father.

100. C is the mother of K. K is the wife of H. R is the brother of K. P is the father of R. How is C related to P?

- (a) Daughter (b) Wife
(c) Brother's wife (d) Sister

RRB NTPC (Stage-II) -13/06/2022 (Shift-I)

Ans. (b) : According to the question,



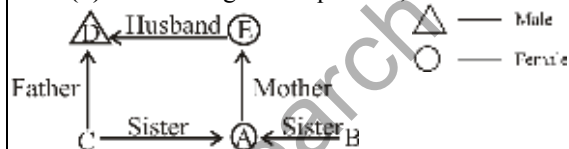
Hence, it clear from diagram that C is the wife of P.

101. A is the sister of B and C. D is the father of C. E is the mother of A. Considering these facts, which of the following statements CANNOT be verified?

- (a) D is the father of A.
(b) E is the mother of B.
(c) D is E's husband.
(d) B is E's son.

RRB NTPC (Stage-II) -13/06/2022 (Shift-II)

Ans. (d) : According to the question,



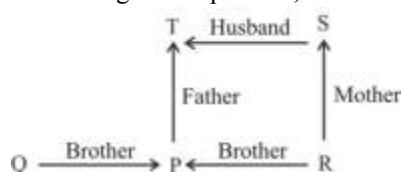
Hence, from the given option, option (d) cannot be verified, because gender of B cannot be determined.

102. P is the brother of Q and R. S is R's mother. T is P's father. Which of the following statements cannot be definitely true?

- (a) T is S's husband (b) T is Q's father
(c) S is P's mother (d) T is Q's husband

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (d) : According to the question,



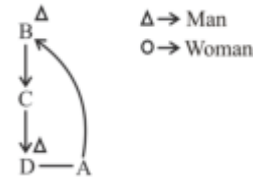
Hence, from this it is clear that T is Q's father. Then the statement T is Q's husband, proved wrong.

103. D has a brother A. D is the son of C. B is C's father. In terms of relationship, what is A of B?

- (a) Brother (b) Son
(c) Grandson (d) Grandfather

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (c) : On drawing blood relation diagram according to the question,



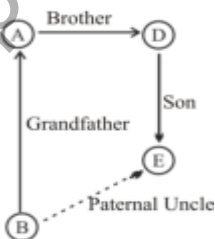
It is clear from the figure that A is the grandson or grand-daughter of B.

104. A is the paternal grandfather of B, D is the brother of A and E is the son of D. How is E related to B?

- (a) Brother (b) Paternal Uncle
(c) Grandfather (d) Cousin

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question the given blood relation diagram is—



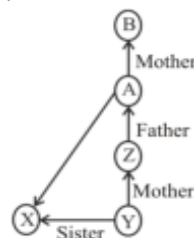
Hence, E is paternal uncle of B.

105. If X is Y's sister, Z is Y's mother, A is Z's father and B is A's mother, then how is X related to A?

- (a) Mother's sister (b) Daughter
(c) Father's mother (d) Daughter's Daughter

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (d) : As per question, drawing the blood relation diagram.



Therefore, it is clear that X is a daughter's of daughter A.

106. 1. X is the father of Y and Z

2. P is the mother of Q

3. Q is the sister of Y

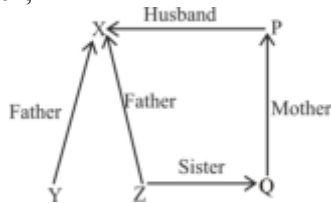
What is the relation between X and P?

- (a) X and P are father and daughter
(b) X and P are husband and wife
(c) X and P are brother and sister
(d) X and P are mother and father

RRB NTPC 15.02.2021 (Shift-I) Stage Ist



Ans. (b) On drawing blood relation diagram according to the question,



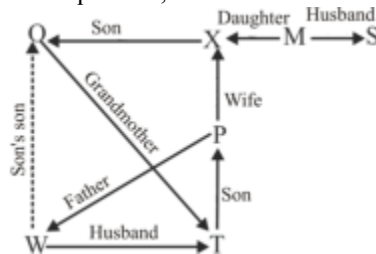
It is clear from the above diagram that x is husband of P.

107. **P is married to X who is the daughter of M. T is the paternal grandmother of O who is the son of P. S is the husband of M and W is P's father. What is the relation of O with W?**

- (a) Daughter's son (b) Brother's son
(c) Sister's son (d) Son's son

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (d) : On drawing blood relation diagram according to the question,



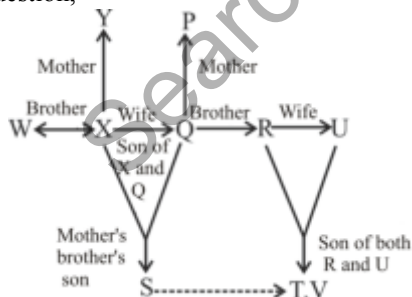
It is clear that above figure that O is son's son of W.

108. **W and X are brothers. S is the son of X and Q. R is married to U and is the brother of Q. T and V are the children of U. P is the mother of Q and Y is the mother of X. How is T related to S?**

- (a) Mother's brother
(b) Mother's brother's son
(c) Paternal Uncle
(d) Father's brother's son

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (b) On drawing blood relation diagram according to the question,



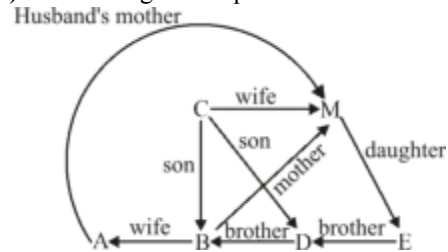
Hence, it is clear from above diagram that T is mother's brother's son of S.

109. **If A is the wife of B, C is the father of B and D, D is the brother of E and E is the only daughter of M, then how is M related to A?**

- (a) Father
(b) Husband's mother
(c) Husband's sister
(d) Maternal uncle

RRB NTPC 23.07.2021 (Shift-I) Stage Ist

Ans. (b) : According to the questions –



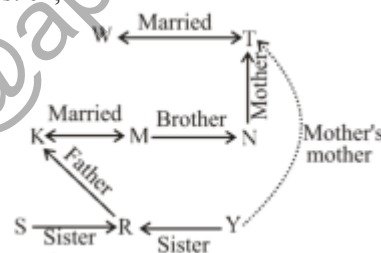
It is clear from diagram that M is mother of A husband.

110. **W and T are married to each other and have only two children. K and M are married to each other and have only three children. R is the only sister of S and Y. N's mother is T. M's brother is N, who is a bachelor, K is the father of R. How is T related to Y?**

- (a) Mother's brother
(b) Mother's mother
(c) Sister's husband
(d) Father's mother

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (b) : On drawing blood relation diagram according to the question,



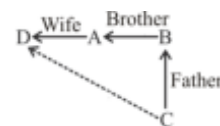
It is clear that T is mother's mother of Y.

111. **If A is the brother of B, B is the father of C and D is the wife of A, then how is D related to C ?**

- (a) Aunt (b) Niece
(c) Uncle (d) Nephew

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (a) : According to the question, on drawing blood relation diagram.



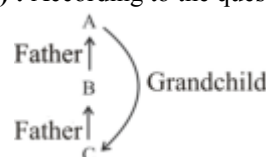
Hence, it is clear from diagram that D is Aunt of C.

112. **If A is the father of B and B is the father of C, then how is C related to A?**

- (a) Grandson (b) Granddaughter
(c) Grandchild (d) Grandfather

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question



Hence, it is clear that C is grand child of A.

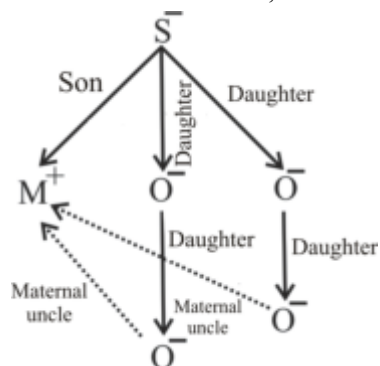
113. S is a female member of a family and has three children. M is the son of S. M is the maternal uncle of two girls who are not sisters, but whose mothers are siblings. Based on the information provided, which of the following statements is most likely to be true?

- S has one son, two daughters.
- S has two sons, one daughter
- S has one son, and the other two cannot be determined.
- S has one son, one daughter and third cannot be determined.

RRB NTPC 16.01.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question—

+ = Men, - = Women



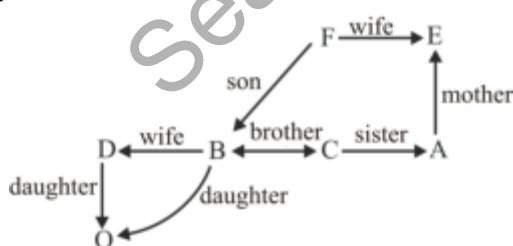
Hence, it is clear from above diagram that S has one son and two daughters. Hence, option (a) will be true.

114. If B and C are brothers, A is the sister of C, O is the daughter of D, D is the wife of B, E is the mother of A and the wife of F, then how is O related to F?

- (a) Mother's father (b) Mother's brother
(c) Daughter's daughter (d) Son's daughter

RRB NTPC 22.02.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question, blood relation diagram is as follows:



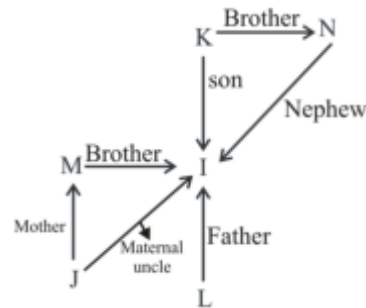
Hence, it is clear from blood relation diagram that 'O' is the daughter of the son of 'F'.

115. If I is J's maternal uncle, K's son, M's only sibling, L's father and N's nephew, how is M related to J

- (a) Mother (b) Cousin
(c) Father (d) Aunt

RRB NTPC 27.02.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question, blood relation diagram follows:



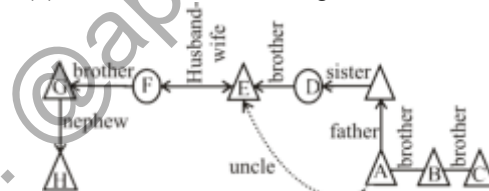
Hence, it is clear from blood relation diagram that 'M' is the mother of 'J'.

116. Three brothers A, B and C have a paternal aunt D. E is the brother of D. E is married to F. F has an only sibling, an unmarried brother G. H is the only nephew of G. How is E related to A?

- (a) Maternal uncle (b) Brother
(c) Father (d) Paternal uncle

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (d) : The blood relation diagram is as follows:



Hence, E is paternal uncle of A.

117. If B is the mother of C, D is the sister of C. C is the daughter of A and E is the son of D, then how is A related to E?

- (a) Mother's father (b) Father's brother
(c) Mother's brother (d) Father

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question blood relation diagram is as follows-



So, it is clear from the diagram that A is the father of E's mother.

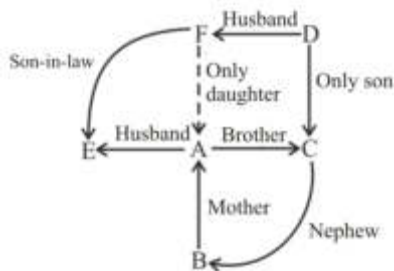
118. Among A, B, C, D, E, F and G, A is the mother of B, B is C's sister's son. C is the only son of D, D is the maternal grandmother of B and E is the son-in-law of F. If F has only one daughter and is the husband of D, then how is E related to A.

- (a) Mother's Brother (b) Sister's husband
(c) Son (d) Husband

RRB NTPC 02.02.2021 (Shift-I) Stage Ist



Ans. (d) : According to the question diagram is as follows:-



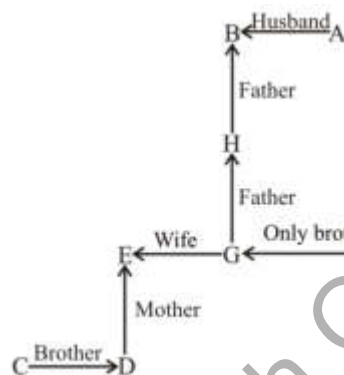
Hence, it is clear from blood relation diagram that 'E' is the husband of 'A'.

119. Among A, B, C, D, E, F, G and H, H is the father of G, G is the only brother of F, F is the only sister-in-law of E, E is the mother of D, D is the brother of C and B is the father of H and husband of A. If F is unmarried, then how is C related to A?

- (a) Father's Mother (b) Father's Father
(c) Sons's Sons's Son (d) Sons' Son

RRB NTPC 02.02.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question diagram is as follows



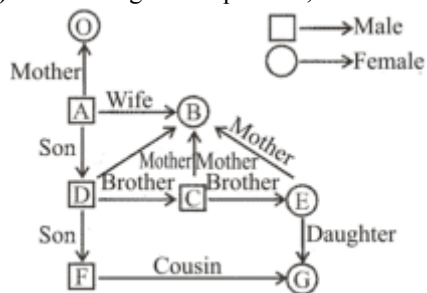
It is clear that C is the son's son's son of A.

120. O is the mother of A. B is the mother of C and E. C and D are the brothers and sons of A. G is the daughter of E and cousin of F, F is the son of D. How is B related to F?

- (a) Mother's Mother (b) Mother
(c) Son's Son (d) Father's Mother

RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question,



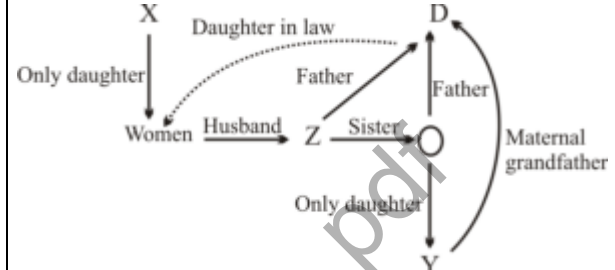
Hence, it is clear from the above diagram that B is the Mother of Father of F.

121. I am the only daughter of X, and Y is my husband Z's sister's only daughter. If D is the maternal grandfather of Y, how am I related to D?

- (a) Sister-in-law
(b) Paternal Aunt
(c) Husband's sister's daughter
(d) Daughter-in-law

RRB NTPC 11.03.2021 (Shift-I) Stage Ist

Ans. (d) : As per the question, the relationship diagram will be as follows-



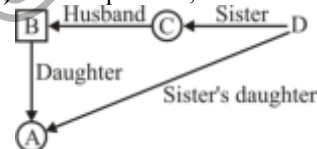
Hence, it is clear from blood relation diagram that women is daughter-in-law of D.

122. A is the daughter of B. B is the husband of C. C is the sister of D. How is A related to D?

- (a) Sister's son (b) Brother's daughter
(c) sister (d) sister's daughter

RRB NTPC 28.01.2021 (Shift-I) Stage Ist

Ans. (d) : From question,



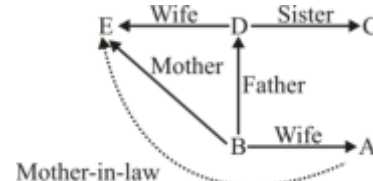
Hence, A is sister's daughter of D's sister.

123. There is a family of five persons A, B, C, D and E. D is the father of B, who is the wife of A. C is the sister of D, and E is the wife of D. How is E related to A?

- (a) Son-in-law (b) Son
(c) Mother-in-law (d) Mother

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question, Blood-relation diagram is as follows:-



Hence, E is A's mother-in-law.

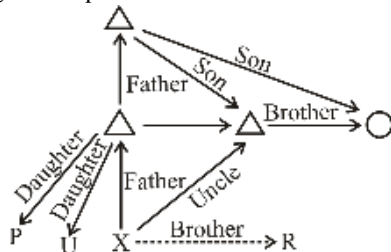
124. X said to O, "My paternal grandfather has only three sons, and I have only one brother and no daughter. You are the brother of my paternal uncle." O told X, "Though I am unmarried, I have only two nieces, U and P, and only two nephews, R being one of the two." How is R related to X?

- (a) Sister (b) Brother
(c) Son (d) Nephew

RRB NTPC 10.02.2021 (Shift-I) Stage Ist



Ans. (b) : Blood Relation diagram is as follows according to the question.



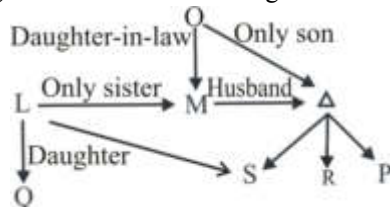
So, it is clear from the above diagram that R is the brother of X.

- 125. Q is the daughter of L whose only sister M is the daughter-in-law of O. The only son of O has three daughters P, R and S. How is S related to L?**

- (a) Daughter (b) Mother's sister
(c) Sister's Daughter (d) Mother

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (c) : The blood relation diagram is as follows -



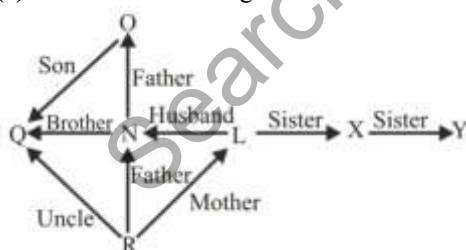
It is clear from the blood relation diagram that S is the sister's daughter of L.

- 126. Q is the paternal uncle of R and N is R's father. N's father O has two children, R's mother L has two sisters X and Y. How is Q related to L?**

- (a) Husband's Father (b) Father's Brother
(c) Husband's Brother (d) Brother's Wife

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (c) : Blood relation diagram is as follows-



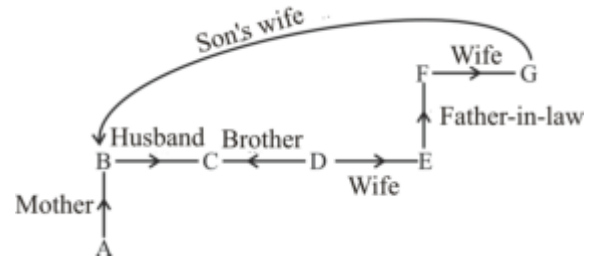
It is clear from the blood relation diagram that Q is the brother of L's husband.

- 127. B is mother of A
C is brother of D
B and C, D and E, F and G are three married couples.
F is father-in-law of E
How is B related to G?**

- (a) Son's wife (b) Mother
(c) Son's daughter (d) Daughter

RRB NTPC 24.07.2021 (Shift-I) Stage Ist

Ans. (a) : From question,



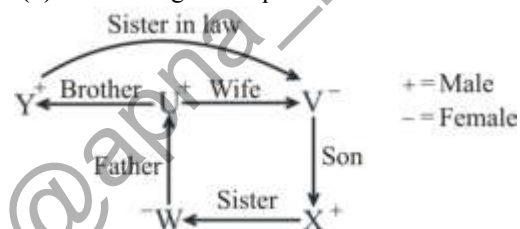
Hence, it is clear from diagram that B is G's son's wife.

- 128. U is the father of W and X is the son of V. Y is the brother of U. If W is the sister of X, then how is V related to Y?**

- (a) Daughter (b) Brother-in-Law
(c) Husband (d) Sister-in-Law

RRB NTPC 30.04.2016 Shift : 2

Ans. (d) : According to the question.



Hence, V is the sister-in-law of Y.

- 129. It is given that**

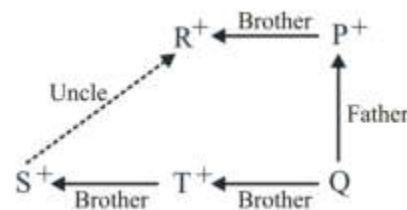
1. P is father of Q
2. R is brother of P
3. S is brother of T
4. T is brother of Q

Who is Paternal Uncle of S ?

- (a) R (b) P
(c) Q (d) T

RRB NTPC 30.04.2016 Shift : 2

Ans. (a) On drawing blood relation diagram according to the question,



Hence, S is paternal uncle of R.

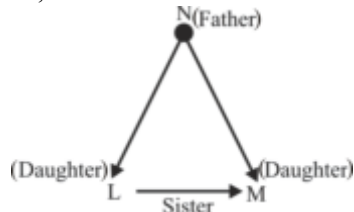
- 130. L and M are children of N and N is the father of L. L is the daughter of N but M is not the son of N. How are L and M related?**

- (a) L is the brother of M
(b) L is the sister of M
(c) L is the cousin of M
(d) can not determined

RRB NTPC 29.04.2016 Shift : 1



Ans. (b) On drawing blood relation diagram according to the question,



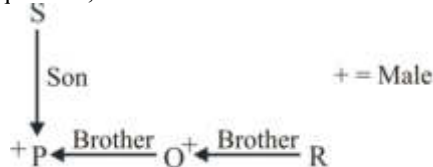
Hence, L is sister of M.

131. P is the brother of Q. Q is the brother of R. P is the son of S. Which of the following statements based on these three information can be definitely be false?

- (a) Q is the brother of P
- (b) Q is the son of S
- (c) P is the brother of R
- (d) S is the brother of Q

RRB NTPC 27.04.2016 Shift : 1

Ans. (d) On drawing blood relation diagram according to the question,



Right Statement – (1) Q is brother of P
(2) Q is son of S
(3) P is brother of R

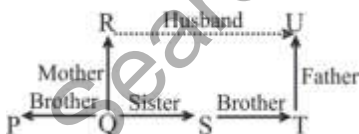
Hence, option (d) is wrong.

132. P is the brother of Q. U is the father of T who is the brother of S. R is the mother of Q whose sister is S. How is U related to R?

- (a) Father
- (b) Brother
- (c) Husband
- (d) Son

RRB NTPC 26.04.2016 Shift : 1

Ans. (c) On drawing blood relation diagram according to the question,



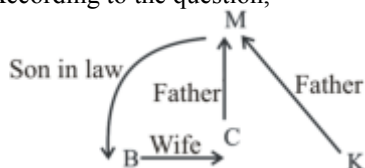
Hence, U is the husband of R.

133. B and C are husband and wife respectively. M is the father of K and C. How is B related to M?

- (a) Uncle
- (b) Son
- (c) Son-in-law
- (d) Brother

RRB NTPC 19.01.2017 Shift : 2

Ans. (c) According to the question,



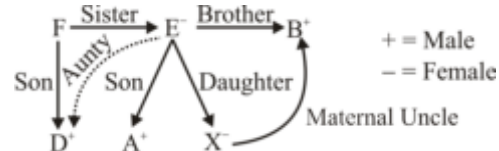
Hence, B is son-in-law of M.

134. D is the son of F. E is the sister of F and her son is A and daughter is X. If B is the maternal uncle of A then how is D related to B?

- (a) Cousin
- (b) Nephew
- (c) Maternal Uncle
- (d) Brother

RRB NTPC 09.04.2016 Shift : 3

Ans. (b) According to the question,



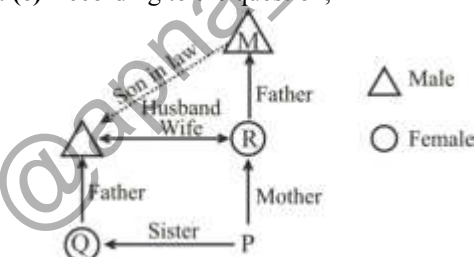
Hence, D is nephew of B.

135. Q is P's sister. R is P's mother. M is Mrs. R's father. How is Q's father related to M?

- (a) Son
- (b) Grandson
- (c) Son-in-law
- (d) Brother

RRB NTPC 11.04.2016 Shift : 2

Ans. (c) According to the question,



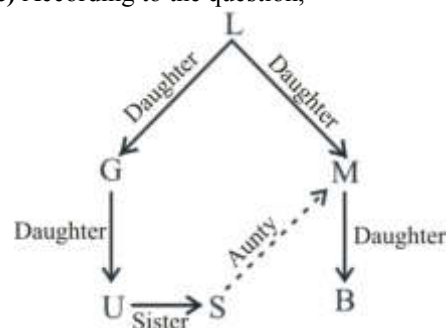
Hence, the father of Q is the son-in-law of M.

136. U and B are daughters of G and M. L is the mother of G and M. S is the sister of U. L has only two daughters. How is M related to S?

- (a) Sister
- (b) Daughter
- (c) Aunt
- (d) Cousin

RRB NTPC 19.04.2016 Shift : 3

Ans. (c) According to the question,



Hence, M is the Aunt of S.

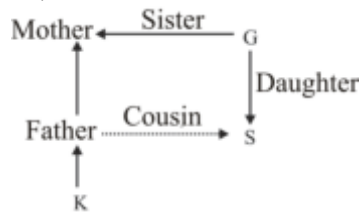
137. The mother of K's father is G's sister. S is the daughter of G. How is S related to K's father?

- (a) Cousin Sister
- (b) Mother
- (c) Aunt
- (d) cannot be determined

RRB NTPC 19.04.2016 Shift : 2



Ans. (a) On drawing blood relation diagram according to the question,



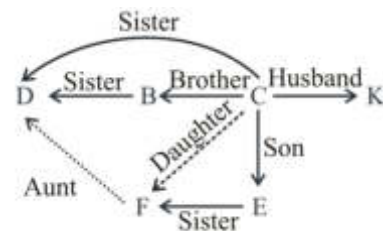
Hence, S is the cousin sister of K's father.

138. B is the brother of C. D is the sister of B. F is the sister of E who is the son of C. K is the husband of C. How is D related to F ?

- (a) Maternal Aunt (b) Mother
(c) Sister (d) Niece

RRB NTPC 19.04.2016 Shift : 1

Ans. (a) On drawing blood relation diagram according to the question,



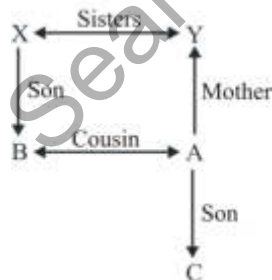
Hence, D is the maternal aunt of F.

139. In a family X and Y are sisters. A's mother is Y. A's son is C, X's son is B. Which of the following statement is correct?

- (a) B and A are cousins.
(b) A is the son of X and Y.
(c) X is the father of B.
(d) X is the grandmother of C.

RRB NTPC 28.03.2016 Shift : 2

Ans. (a) According to the question,



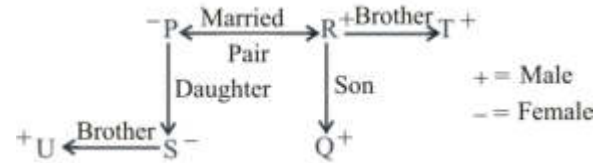
Hence, B and A are cousins.

140. There is a family of 6 persons P, Q, R, S, T and U. P and R is a married couple, P's daughter is S, R's son is Q, but Q's mother is not R, R's brother is T, U is brother of S, then how many members are men in the family?

- (a) 3 (b) 4
(c) 2 (d) 5

RRB NTPC 28.03.2016 Shift : 2

Ans. (b) According to the question,



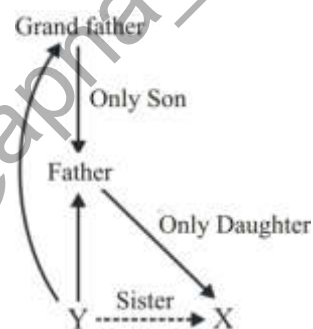
There are four male members viz R, T, Q and U in the family.

141. X is the only daughter of Y's grandfather's only son. Y's grandfather has only one child. How is X related to Y?

- (a) Mother (b) Sister
(c) Paternal Aunt (d) Grandmother

RRB NTPC 03.04.2016 Shift : 2

Ans. (b) On drawing blood relation diagram according to the question,



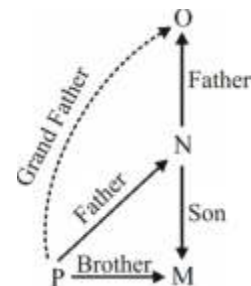
Hence, X is the sister of Y.

142. M is the son of N. O is the father of N. N is the father of P. How is O related to P?

- (a) Wife (b) Husband
(c) Father (d) Grandfather

RRB NTPC 03.04.2016 Shift : 1

Ans. (d) On drawing blood relation diagram according to the question,



Here O is the Grandfather of P.

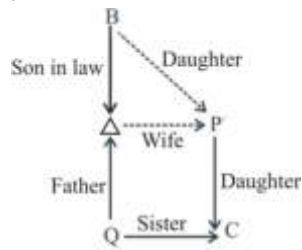
143. Q's father is son-in-law of B. C is sister of Q and daughter of P. How is P related to B?

- (a) Son (b) Daughter
(c) Grandson (d) Granddaughter

RRB NTPC 03.04.2016 Shift : 1



Ans. (b) On drawing blood relation diagram according to the question,



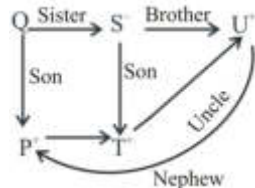
Hence, it is clear from above diagram that P is daughter of B.

144. P is the son of Q. T is the son of Q's sister S, U is the maternal uncle of T. How is P related to U?

- (a) Son (b) Nephew
(c) Brother (d) Uncle

RRB NTPC 04.04.2016 Shift : 2

Ans. (b) On drawing blood relation diagram according to the question,



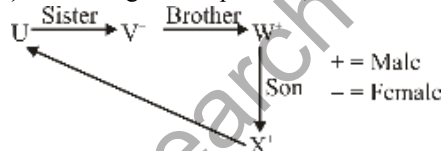
Hence, it is clear from above diagram that P is nephew of U.

145. X is the son of W and W is the brother of V. V is the sister of U. How is U related to X?

- (a) can not determine (b) Daughter
(c) Mother (d) Sister

RRB NTPC 17.01.2017 Shift-2

Ans. (a) According to the question,



Hence, the relationship between U and X cannot be determined because it is not certain that U is male or female.

146. Read the following information and answer the question that follows.

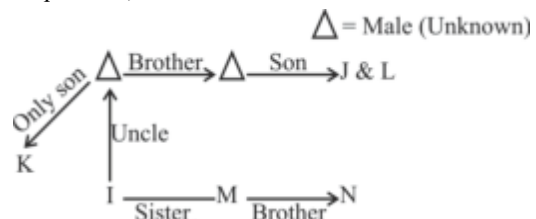
- (i) I, J, K, L, M and N are playing hockey.
(ii) I and M are sisters and N is the brother of M.
(iii) K is the only son of I's paternal uncle.
(iv) J and L are the sons of a brother of K's father.

How is K related to M?

- (a) Brother (b) Uncle
(c) Sister (d) Cousin

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (d) : On drawing blood relation diagram according to the question,



It is clear from above blood-relation diagram that K is cousin of M.

147. If 'A+B' means 'A is daughter of B', 'A - B' means 'A is wife of B', 'A × B' means 'A is the son of B' then which is right from following about P × Q - S.

- (a) Q is the father of P (b) P is a daughter of Q
(c) S is the wife of Q (d) S is the father of P

RRB NTPC 04.01.2021 (Shift-I) Stage Ist

Ans. (d) : On drawing blood relation diagram according to the question,



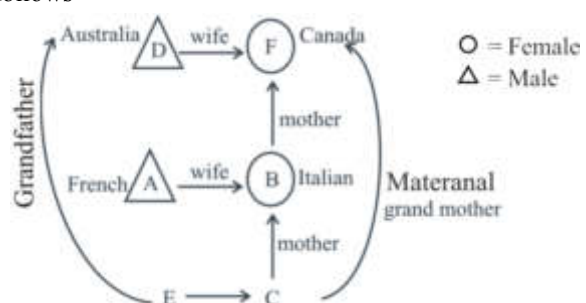
Hence, it is clear that S is the father of P.

148. There is a group of six persons, A, B, C, D, E and F in a room. In the group, there are two married couples. B is Italian and is the mother of C. F is the grandmother of C. F is from Canada. D is the grandfather of E and D is from Australia. There is one Italian, one Canadian, one Australian, one French and two Irish people in the group. The French person is a male and married. Nobody who is a grandchild is married. What is the nationality of A and who is his wife?

- (a) French, F (b) Italian, B
(c) Irish, F (d) French, B

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (d) : As per question, blood relation diagram is as follows-



Hence, it is clear from above diagram that the nationality of A is French and B is his wife.



149. Read the given information carefully and answer the question that follows.

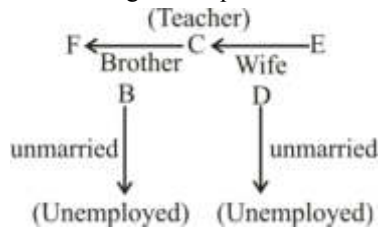
There are six persons A, B, C, D, E and F, in a family. There is one teacher, one business person and one accountant. B and D are unmarried males and are not employed. None of the ladies are in business or accountancy. A is the only child in the family. C is the wife of E, and F is the brother of C.

Who is the teacher?

- (a) E (b) F
(c) C (d) D

RRB NTPC 14.03.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question-



Only child → A

Therefore C is teacher in among them.

Type – 4 : Problem Based on Given Expressions

150. If

'A # B' means 'A is the father of B',
'A \$ B' means 'A is the mother of B',
'A @ B' means 'A is the husband of B',
'A % B' means 'A is the wife of B',
'A = B' means 'A is the brother of B'

then how is P related to V in the following expression?

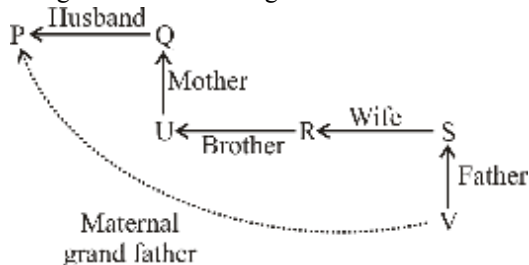
P @ Q \$ U = R % S # V

- (a) Paternal grandfather
(b) Maternal grandfather
(c) Father's brother
(d) Mother's brother

RRB NTPC (Stage-II) –14/06/2022 (Shift-I)

Ans. (b) : Expression → P @ Q \$ U = R % S # V

On drawing blood relation diagram-



Hence, it is clear from above figure that P is V's maternal grandfather.

151. If

'S#T' means S is the father of T,

'S\$T' means S is the mother of T,

'S@T' means S is the husband of T,

'S = T' means S is the son of T,

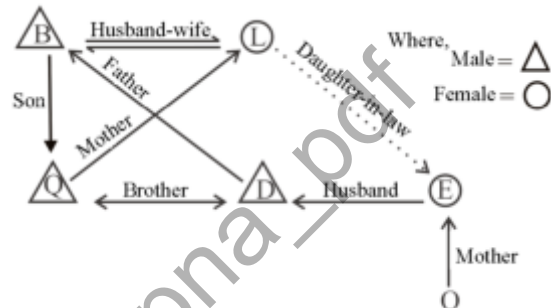
then how is E related to L in the following expression?

L \$ Q = B #D @ E \$ O

- (a) Mother (b) Daughter
(c) Daughter-in-law (d) Mother-in-law

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (c) : According to the question,



Hence, it is clear from the blood relation diagram that E is the daughter-in-law of L.

152. 'P + Q' means 'P is the daughter of Q'

'P × Q' means 'P is the son of Q'

'P – Q' means 'P is the wife of Q'

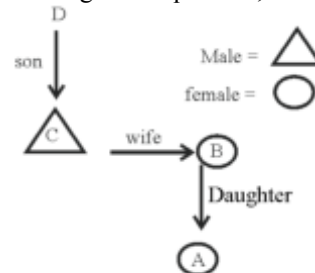
Which of the following options is correct for the given expression?

'A + B – C × D'

- (a) C is the wife of D
(b) B is the son of D
(c) B is the daughter of D
(d) A is the daughter of D's Son

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (d) : According to the question,



Hence, it is clear from blood relation diagram that A is the daughter of D's son.

153. 'X is the mother of Y' is represented by 'X < Y'

'X is the husband of Y' is represented by 'X > Y'

'X is the sister of Y' is represented by 'X @ Y'

'X is the son of Y' is represented by 'X \$ Y'

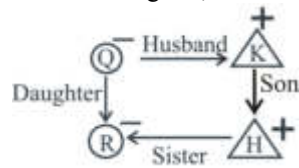
Which of the following indicates the relationship 'R is the daughter of Q'?

- (a) Q > K @ R \$ H (b) R @ H > K < Q
(c) Q < K @ H \$ R (d) R @ H \$ K > Q

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)



Ans. (d) : From option (d), $R @ H \$ K > Q$
On drawing blood relation diagram,



Hence, it is clear from above diagram that R is the daughter of Q.

154. If

'P + Q' means 'P is the father of Q',

'P - Q' means 'P is the mother of Q',

'P/Q' means 'P is the sister of Q',

'P ∪ Q' means 'P is the son of Q',

'P ∩ Q' means 'P is the daughter of Q',

then which of the following means that 'A is E's daughter's son'?

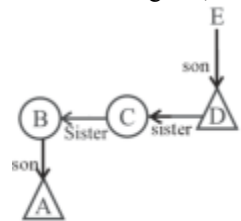
- (a) $A/B + C - D ∪ E$ (b) $A ∩ B ∩ C/D + E$
(c) $A/B ∪ C ∪ D/E$ (d) $A ∪ B/C/D ∪ E$

RRB NTPC (Stage-II) -15/06/2022 (Shift-II)

Ans. (d) : From option (d),

$$A ∪ B/C/D ∪ E,$$

On drawing blood-relation diagram,



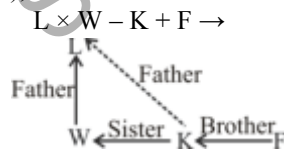
Hence, option (d) is correct.

155. If 'A + B' means 'A is the brother of B', 'A - B' means 'A is the sister of B', 'A × B' means 'A is the father of B', then which of the following shows that 'L is the father of K'?

- (a) $N + K - F × L$ (b) $F - L + N × K$
(c) $K - N × L + F$ (d) $L × W - K + F$

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (d) : On drawing blood relation diagram according to the option (d),



Hence, the option (d) shows that L is the father of K.

156. 'P @ Q' means 'P is the sister of Q'.

'P # Q' means 'P is the father of Q'.

'P \$ Q' means 'P is the wife of Q',

'P % Q' means 'P is the son of Q',

If 'A% B # C @ D \$ E', then how is D related to B?

- (a) Daughter-in-law (b) Daughter
(c) Wife (d) Sister

RRB NTPC 23.07.2021 (Shift-I) Stage Ist

Ans. (b) : On drawing blood relation diagram according to the question,



It is clear from above diagram that D is daughter of B.

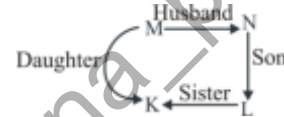
157. If 'P + Q' means P is the brother of Q, 'P - Q' means P is the sister of Q, 'P * Q' means P is the husband of Q and 'P / Q' means P is the son of Q, then which of the following shows that K is the daughter of M?

- (a) $L * K - N + M$ (b) $K + L / N - M$
(c) $K - L / N * M$ (d) $K - L / N + M$

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (c) : On drawing blood relation diagram according to the option (c),

$$K - L / N * M \Rightarrow$$



Hence, option (c) shows that K is the daughter of M.

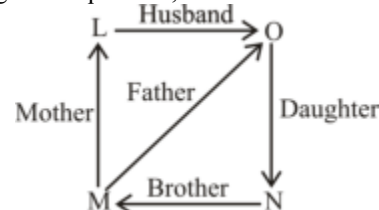
158. If $A \times B = A$ is the brother of B, $A/B = A$ is the mother of B and $A + B = A$ is the daughter of B, then in $L/M \times N + O$, who is the father?

- (a) L (b) N
(c) M (d) O

RRB NTPC 31.01.2021 (Shift-I) Stage Ist

Ans. (d) : Given - $L/M \times N + O$

According to the question,



Hence, it is clear that 'O' is the father of M and N.

159. 'A#B' means 'A is the brother B', 'A^B' means 'A is the daughter of B', 'A*B' means 'A is the aunt of B' and 'A%B' means 'A is the mother of B'. If $P*G\%U\#V^T\#Z*V$, then how is Z related to G?

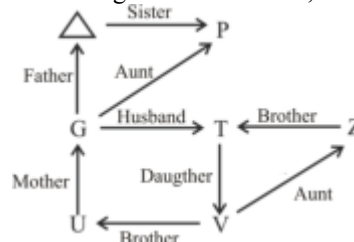
- (a) Brother's Wife (b) Husband's Sister
(c) Brother's Daughter (d) Sister's Husband

RRB NTPC 01.03.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question,

$$P * G \% U \# V \wedge T \# Z * V$$

Blood relation diagram is as follows,



Hence, Z is the sister of G's husband.



160. Read the following information carefully and answer the question based on It.

- (i) 'H + G' means H is the mother of G.
- (ii) 'H ÷ G' means H is the daughter of G.
- (iii) 'H - G' means H is the husband of G.
- (iv) 'H × G' means H is the Aunt of G.

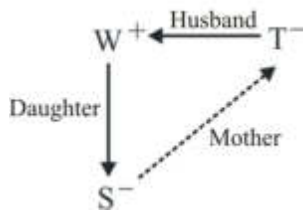
Which of the following option means that T, is the mother of S?

- (a) $S \div W + T$
- (b) $S + W \div T$
- (c) $S \div W - T$
- (d) $S - W \div T$

RRB NTPC 07.04.2016 Shift : 2

Ans. (c) From option (c),

$$S \div W - T$$



It is clear from above diagram that T is mother of S.

161. Read the following information carefully and answer the question based on It.

- (i) 'F - D' means F is the father of D.
- (ii) 'F + D' means F is the daughter of D.
- (iii) 'F ÷ D' means F is the son of D.
- (iv) 'F × D' means F is the wife of D.

Which of the following option means that Z is the father of Y?

- (a) $Y - E \times Z$
- (b) $Y + E \div Z$
- (c) $Y + E - Z$
- (d) $Y + E \times Z$

RRB NTPC 05.04.2016 Shift : 2

Ans. (d): From option (d),

$$Y + E \times Z$$



Hence, it clear from option (d) that Z is father of Y.

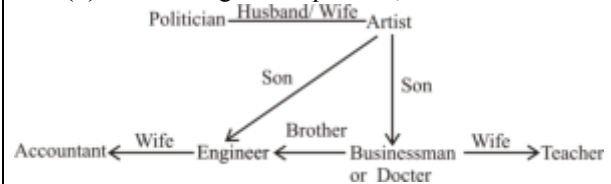
Type – 5 : Miscellaneous

162. A family consists of 7 people with three couples. The artist is married to the politician and they have three children. The teacher is the sister-in-law of the accountant, who is the wife of the engineer. The doctor and businessman are brothers. Who among the following could be the husband of the teacher?

- (a) Engineer
- (b) Doctor
- (c) Politician
- (d) Accountant

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question,



So, Doctor may be the husband of Teacher because Artist is married to Politician and Accountant is married to Engineer and it is said that there are only three married couples and Business man is not in option.

163. Adhaar and Pan are sisters who have Parliament as their mother. Money has two brothers, Coin and Notes. Parliament's husband News is also the father of Money. How is Pan related to Money?

- (a) Paternal aunt
- (b) Maternal aunt
- (c) Brother
- (d) Sister

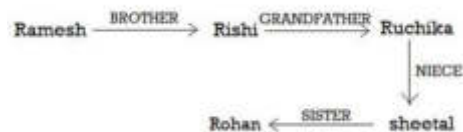
RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question, the blood relation diagram is as follows-



It is clear that pan is the sister of money.

164. If 'A → B' means 'A is the mother (or any other relationship) of B', then using the given relationship chart, select the option that correctly depicts the meaning of 'Rohan → Rishi'.



(Context - Brother - Grandfather - Niece - Sister -)

- (a) Rohan is the grandson of Rishi
- (b) Rishi is the son of Rohan
- (c) Rohan is the son of Rishi
- (d) Rohan is the nephew of Rishi

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

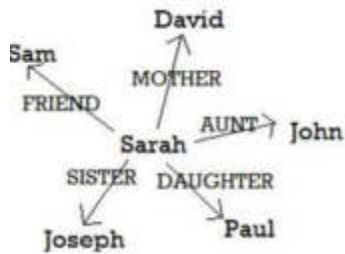
Ans. (c) : On drawing blood relation diagram according to the question,



It is clear from the above blood relation diagram that Rohan is the son of Rishi.



165. Study the given relationship chart and answer the question that follows



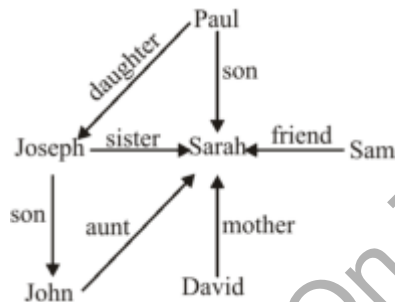
(Context - MOTHER - AUNT - DAUGHTER - SISTER - FRIEND- SARAH - DAVID- JOHN - PAUL - JOSEPH - SAM -)

If 'A → B' means 'A is the mother (or any other relationship) of B', then who will John be related to Joseph, when Paul has only two children?

- (a) Son (b) Niece
(c) Cousin (d) Father

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (a) : On drawing blood relation diagram according to the question,



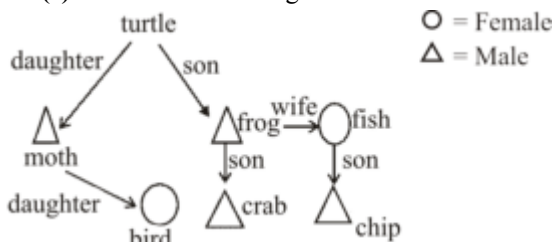
It is clear from the blood relation diagram that John is the son of Joseph.

166. Fish and Chip are mother and son, respectively. Bird is granddaughter of Turtle. Frog and Crab are father and son, respectively. Turtle has only two children, Frog and Moth. If bird is the only child of her parents and Chip is the grandson of Turtle, how is Fish related to Frog?

- (a) Sister (b) Brother's Daughter
(c) Wife (d) Daughter

RRB NTPC 06.04.2021 (Shift-I) Stage Ist

Ans. (c) : Blood relation diagram is as follows:



Hence, it is clear fish is wife of frog.

167. Read the given statements and decide if the given conclusion is true, false or irrelevant with respect to the statements.

Statements :

I. A is the sister of B.

II. B is the daughter of C.

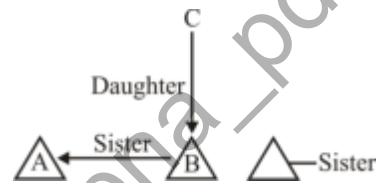
Conclusion :

B is the enemy of C.

- (a) Conclusion drawn is definitely false
(b) Conclusion drawn is probably true
(c) Conclusion drawn is definitely true
(d) Conclusion cannot be drawn

RRB NTPC 11.01.12021 (Shift-II) Stage Ist

Ans. (d) : On making the blood relation diagram,



Conclusion cannot be drawn because in the statement it is said that B is the daughter of C, while the enemy is not mentioned in the statements.

168. If $L + M$ means 'L is the son of M', $L - M$ means 'L is the husbands of M', ' $L \times M$ means 'L is the brother of M' and $L \div M$ means 'L is the mother of M'. What does $A \times B \div C$ mean?

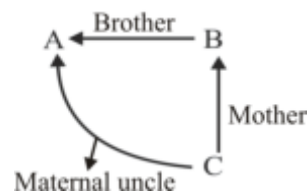
- (a) A is the Mother of C
(b) A is the father of C
(c) A is the nephew of C
(d) A is the maternal uncle of C

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (d) : Given:-

$$A \times B \div C$$

On making diagram, According to the question,



It is clear that A is C's maternal uncle or uncle.

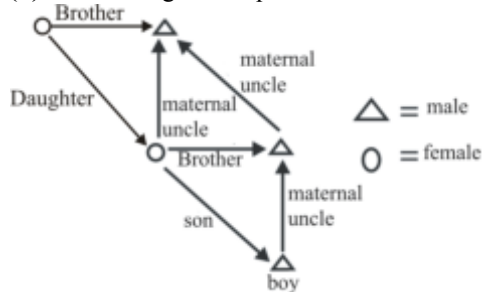
169. A nurse dressing the wound of a boy in a clinic is asked by her colleague how that boy is related to her. She replies, "My maternal uncle and the maternal uncle of his maternal uncle are the same." How is that boy related to the nurse?

- (a) Brother (b) Brother's Son
(c) Paternal Aunt (d) Son

RRB NTPC 22.02.2021 (Shift-I) Stage Ist

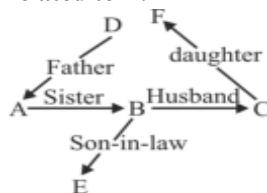


Ans. (d) : According to the question-



From the above diagram, it is clear that the boy is the son of the nurse.

170. In the following relationship chart, A → B means A is the mother (or any other relationship) of B. Now using the chart find out how is F related to E.

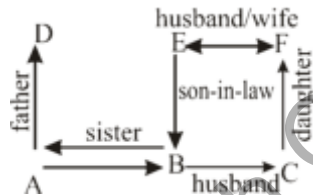


(Reference-Father - Daughter - Sister - Husband - Son-in-law)

- (a) Daughter (b) Spouse
(c) Sibling (d) Father

RRB NTPC 04.03.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question blood relation diagram is as follows.



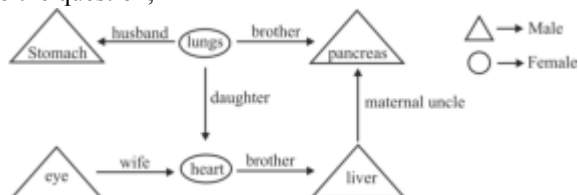
In the following relationship chart, E and F is Spouse (Husband/Wife).

171. Heart is the daughter of Lungs. Also, she has only one sibling, a brother named Kidney. Stomach is the husband of Lungs. Eye and Heart are married to one another. Pancreas is the maternal uncle of Kidney. How is Pancreas related to Lungs?

- (a) Wife's Brother (b) Mother's Brother
(c) Father (d) Brother

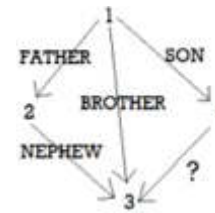
RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (d) : On drawing blood relation diagram according to the question,



Therefore, there is brother relation with the pancreas and lungs.

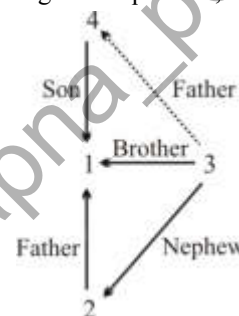
172. In the following relationship chart, A → B means A is the mother (or any other relationship) of B. Now using the chart, select the option that can replace the question mark (?) in it, if all the mentioned individuals, 1, 2, 3 and 4 are males.



- (a) Grandfather (b) Son
(c) Father (d) Uncle

RRB NTPC 11.03.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question,



Hence, it is clear from above diagram that 4 is the father of 3.

173. 'Mo > No' means that Mo is the daughter of No.

'Mo # No' means Mo is the father of No.

'Mo \$ No' means Mo is the mother of No.

'Mo/No' means Mo is the brother of No.

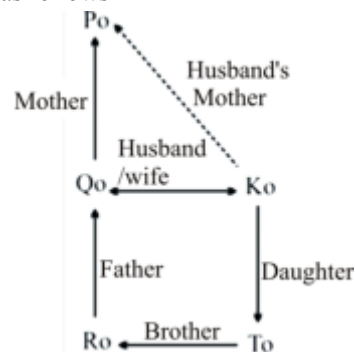
Based on the above, how is Po related to Ko in the given expression?

Po \$ Qo # Ro / To > Ko

- (a) Husband's mother (b) Son's wife
(c) Husband's sister (d) Father's sister

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question, Blood relationship diagram is as follows



Hence, it is clear from the above diagram that Po is Husband's mother of Ko.



08.

Arithmetical Operations

Type-1 : Problems Based on the Conversion of Letters of English Alphabet into Mathematical Symbols

1. If Q means '+', J means '×', T means '-' and K means '÷', then 52 K 4 Q 6 J 12 T 8 = ?
 (a) 45 (b) 83
 (c) 68 (d) 77

RRB NTPC (Stage-II) -13/06/2022 (Shift-II)

Ans. (d) : Given,

$$\begin{aligned}
 &Q \rightarrow +, J \rightarrow \times, T \rightarrow -, K \rightarrow \div \\
 \text{Then, } &52 K 4 Q 6 J 12 T 8 \\
 &= 52 \div 4 + 6 \times 12 - 8 \\
 &= 13 + 6 \times 12 - 8 \\
 &= 13 + 72 - 8 \\
 &= 85 - 8 \\
 &= 77
 \end{aligned}$$

2. If J denotes addition, G denotes subtraction, M denotes multiplication and B denotes division, then which of the following equations will not be correct?

- (a) 6M5J4B2G10 = 22 (b) 4G16B2J6M5 = 26
 (c) 6B2M8G10J4 = 20 (d) 8M2G6B3J7 = 21

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (c) : Given,

$$\begin{aligned}
 J &\rightarrow (+), G \rightarrow (-) \\
 M &\rightarrow (\times), B \rightarrow (\div)
 \end{aligned}$$

From option (a)

$$\begin{aligned}
 6M5J4B2G10 &= 22 \\
 6 \times 5 + 4 \div 2 - 10 &= 22 \Rightarrow 6 \times 5 + \frac{4}{2} - 10 = 22 \\
 32 - 10 &= 22 \\
 22 &= 22 \text{ This is equal}
 \end{aligned}$$

From option (b)

$$\begin{aligned}
 4G16B2J6M5 &= 26 \\
 4 - 16 \div 2 + 6 \times 5 &= 26 \\
 4 - \frac{16}{2} + 30 &= 26 \\
 -4 + 30 &= 26 \\
 26 &= 26 \text{ This is equal too}
 \end{aligned}$$

From option (c)

$$\begin{aligned}
 6B2M8G10J4 &= 20 \\
 6 \div 2 \times 8 - 10 + 4 &= 20 \\
 \frac{6}{2} \times 8 - 10 + 4 &= 20 \\
 24 - 10 + 4 &= 20 \\
 14 + 4 &= 20 \\
 18 &\neq 20 \text{ This is not equal}
 \end{aligned}$$

So option (c) will not be correct.

3. If 'A' represents 'subtraction', 'B' represents 'Multiplication', 'C' represents 'division' and 'D' represents 'addition', then what is the value of (3 B 4 D 5 A 6) C 1?

- (a) 1 (b) 11
 (c) 0 (d) 10

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (b) : Given,

$$(3 B 4 D 5 A 6) C 1$$

$$[A \rightarrow -, B \rightarrow \times, C \rightarrow \div, D \rightarrow +]$$

On changing the sign-

$$\begin{aligned}
 (3 \times 4 + 5 - 6) \div 1 &= ? \\
 &= (12 + 5 - 6) \div 1 \\
 &= (17 - 6) \div 1 \\
 &= 11 \div 1 = 11
 \end{aligned}$$

4. If 'P' means '+', 'Q' means '-', 'R' means '×' and 'S' means '÷', then find the value of the following expression.

$$\frac{2}{3} S \frac{1}{3} Q 7 P 7 R 5$$

- (a) 30 (b) 50
 (c) 10 (d) 40

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (a) : Given,

$$P \rightarrow +, Q \rightarrow -, R \rightarrow \times, S \rightarrow \div$$

$$\begin{aligned}
 \frac{2}{3} S \frac{1}{3} Q 7 P 7 R 5 &= \frac{2}{3} \div \frac{1}{3} - 7 + 7 \times 5 \\
 &= 2 - 7 + 35 = 30
 \end{aligned}$$

5. If Q means addition, J means multiplication, T means Subtraction and K means division, then find the value

$$18K 6J 7Q 5T 2$$

- (a) 30 (b) 34
 (c) 26 (d) 24

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (d) : Given,

$$18K 6J 7Q 5T 2$$

$$[Q = +, J = \times, T = -, K = \div]$$

According to the question, on changing signs-

$$\begin{aligned}
 18 \div 6 \times 7 + 5 - 2 \\
 3 \times 7 + 3 = 24
 \end{aligned}$$

6. If 'A' means '+', 'S' means '-', 'M' means '×', 'D' means '÷', 'B' means '(' and 'F' means ')', then solve the following expression:

$$B700A110S90FDB9M10S10F$$

- (a) 10 (b) 7
 (c) 9 (d) 90

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (c) : Given that,

$$B700A110S90FDB9M10S10F$$

According to the question, on changing letters into mathematical symbol, we have-

$$\begin{aligned}
 &= (700 + 110 - 90) \div (9 \times 10 - 10) \\
 &= 720 \div (80) = 9
 \end{aligned}$$



7. If G stands for 'add', H stands for 'multiply', J stands for 'subtract' and K stands for 'division' then find the value of
125 J 110 K 5 G 7 H 2
(a) 117 (b) 133
(c) 89 (d) 114

RRB NTPC 10.01.2021 (Shift-II) Stage Ist

Ans. (a) : Given,

$$G = +$$

$$H = \times$$

$$J = -$$

$$K = \div$$

$$125 J 110 K 5 G 7 H 2 = ?$$

On changing letters by mathematical symbol,

$$125 - 110 \div 5 + 7 \times 2 = ?$$

$$= 125 - 22 + 14$$

$$= 117$$

8. If 'A' means '+', 'B' means '-', 'C' means ' \times ' and 'D' means ' \div ', then find the value of the following expression.
24 D 8 A 12 C 4 B 6

(a) 45

(b) 57

(c) 53

(d) 189

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (a) : From question,

$$24 D 8 A 12 C 4 B 6$$

On putting the mathematical sign,

$$= 24 \div 8 + 12 \times 4 - 6$$

$$= 3 + 48 - 6 = 45$$

9. If 'A' stands for '-', 'B' stands for '+' and 'C' stands for ' \times ', then what will be the value of
9C5B10A5C12?

(a) -6

(b) -5

(c) +6

(d) +5

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question,

$$9C5B10A5C12$$

$$= 9 \times 5 + 10 - 5 \times 12$$

$$= 45 + 10 - 60$$

$$= 55 - 60$$

$$= -5$$

10. If T means subtract, K means divide, J means multiply, and Q means add, then
18 K 3 Q 4 J 2 T 5 = ?

(a) 9

(b) 14

(c) 15

(d) 3

RRB NTPC 09.02.2021 (Shift-II) Stage Ist

Ans. (a) : Given,

$$T = -$$

$$K = \div$$

$$J = \times$$

$$Q = +$$

$$18 K 3 Q 4 J 2 T 5$$

On putting the mathematical sign,

$$\therefore 18 \div 3 + 4 \times 2 - 5$$

$$= 6 + 4 \times 2 - 5$$

$$= 6 + 8 - 5$$

$$= 9$$

11. If A means '-', C means '+', B means ' \div ' and E means ' \times ' then the value of 6C 78B 3A 4E 6 = ?
(a) 4 (b) 6
(c) 8 (d) 10

RRB NTPC 27.04.2016 Shift : 2

Ans. (c) Given expression is,

$$6C 78B 3A 4E 6 = ?$$

On putting the mathematical sign,

$$= 6 + 78 \div 3 - 4 \times 6$$

$$= 6 + 26 - 4 \times 6$$

$$= 6 + 26 - 24$$

$$= 32 - 24 = 8$$

12. If E means '+', F means ' \times ' G means ' \div ' and H means '-' then the value of 81 H 1 G 17 F 102 G 6 F 34 H 6?
(a) 40 (b) 26
(c) 41 (d) 29

RRB NTPC 22.04.2016 Shift : 1

Ans. (c) Given,

$$E \rightarrow + \quad F \rightarrow \times$$

$$G \rightarrow \div \quad H \rightarrow -$$

$$81 H 1 G 17 F 102 G 6 F 34 H 6 \text{ (original term)}$$

$$= 81 - 1 \div 17 \times 102 \div 6 \times 34 - 6 \text{ (The position after the symbol changed)}$$

$$= 81 - \frac{1}{17} \times 102 \div 6 \times 34 - 6$$

$$= 81 - \frac{6}{6} \times 34 - 6$$

$$= 81 - 34 - 6 = 41$$

13. If the mathematical operation $-, +, \times$ and \div replaced by G, P, U and S respectively given then the value of 48 S 8 P 7 U 2 G 21?
(a) 0 (b) -1
(c) 20 (d) -21

RRB NTPC 19.01.2017 Shift : 2

Ans. (b) Given expression is,

$$48 S 8 P 7 U 2 G 21$$

On putting the mathematical sign,

$$48 \div 8 + 7 \times 2 - 21$$

$$6 + 14 - 21 = 20 - 21 = -1$$

14. If 'A' expresses addition, 'B' subtraction, 'C' multiplication and 'D' division, then which of the following statements is true?
(a) 8 C 8 A 8 D 8 B 8 = 57
(b) 36 C 4 D 8 B 7 A 4 = 10
(c) 32 D 8 C 9 = 160 B 12 C 12
(d) 16 C 12 A 49 D 7 B 9 = 200

RRB NTPC 19.01.2017 Shift : 1

Ans. (a) Given that,

$$A = +, B = -, C = \times, D = \div$$

From option (a)

$$8 C 8 A 8 D 8 B 8 = 57$$

$$8 \times 8 + 8 \div 8 - 8$$

$$64 + 1 - 8 = 57$$

$$57 = 57 \text{ (LHS = RHS)}$$



15. If 'P' means 'subtract', 'Q' means divide 'R' means add and 'S' means multiply then the value of $15 Q 3 R 24 P 12 S 2$ is ?
- (a) 7 (b) 5
(c) 29 (d) 9

RRB NTPC 19.01.2017 Shift : 1

Ans. (b) : Given,

$$P = '-', Q = '\div', R = '+', S = '\times'$$

$$15 Q 3 R 24 P 12 S 2$$

$$= 15 \div 3 + 24 - 12 \times 2 = 5 + 24 - 24 = 5$$

16. If P means \div , R means \times , Q means $+$ and S means $-$ then $36 P 6 Q 7 R 8 S 11 = ?$
- (a) 45 (b) 51
(c) 52 (d) 62

RRB Paramedical 20.07.2019 Shift : II

Ans. (b) : Given,

$$P = \div, R = \times, Q = + \text{ and } S = -$$

$$\therefore 36 P 6 Q 7 R 8 S 11 = 36 \div 6 + 7 \times 8 - 11$$

$$= \frac{36}{6} + 56 - 11 = 6 + 56 - 11 = 51$$

17. If J means \times , K means $+$, L means \div and M means $-$ then $1 K 9 L 7 J 7 L 3 M 5$ the value of?
- (a) 1 (b) -1
(c) 3 (d) -5

RRB NTPC 09.04.2016 Shift : 3

Ans. (b) : Given,

$$1 K 9 L 7 J 7 L 3 M 5$$

On putting the mathematical sign,

$$1 + 9 \div 7 \times 7 \div 3 - 5 = 1 + \frac{9}{7} \times \frac{7}{3} - 5 = 1 + 3 - 5 = -1$$

18. Consider the following information. P means multiplied, T means subtracted, M means added and B means divided, then the value of $28 B 7 P 8 T 6 M 4 = ?$
- (a) 30 (b) 32
(c) 34 (d) None of the above

RRB NTPC 11.04.2016 Shift : 3

Ans. (a) : Given,

$$P \rightarrow \times, T \rightarrow -, M \rightarrow +, B \rightarrow \div$$

According to the question,

$$= 28 \div 7 \times 8 - 6 + 4$$

$$= 4 \times 8 - 2$$

$$= 32 - 2 = 30$$

19. If P represents \div , Q represents \times , R represents $-$ and S represents $+$ then which of the following statement is true ?
- (a) $11 Q 34 P 17 R 8 P 3 = 38/3$
(b) $32 S 8 P 16 R 4 = -3/2$
(c) $9 S 9 P 9 R 9 Q 9 = -71$
(d) $6 Q 18 R 26 P 13 S 7 = 172/11$

RRB NTPC 12.04.2016 Shift : 2

Ans. (c) : Given,

$$P = \div, Q = \times, R = -, S = +$$

From option (c),

$$9 S 9 P 9 R 9 Q 9 = -71$$

On changing the symbols,

$$9 + 9 \div 9 - 9 \times 9 = -71$$

$$9 + 1 - 81 = -71$$

$$-71 = -71$$

LHS = RHS

20. If 'W' means \times , 'X' means $-$, 'Y' means $+$ and 'Z' means \div then.
- $28 Z 7 W 8 X 6 Y 4 = ?$
- (a) 30 (b) $38/2$
(c) 32 (d) 34

RRB NTPC 16.04.2016 Shift : 3

Ans. (a) : Given,

$$28 Z 7 W 8 X 6 Y 4 = ?$$

On changing the symbols,

$$= 28 \div 7 \times 8 - 6 + 4$$

$$= 4 \times 8 - 2$$

$$= 32 - 2 = 30$$

21. If 'when' means \times , 'she' means \div , 'will' means $+$ and 'come' means $-$, then what will be the value of "8 when 12 will 16 she 2 come 10"?
- (a) 94 (b) 96
(c) 100 (d) 10

RRB NTPC 16.04.2016 Shift : 1

Ans. (a) : Given original term-

$$8 \text{ when } 12 \text{ will } 16 \text{ she } 2 \text{ come } 10$$

On changing the term with signs,

$$= 8 \times 12 + 16 \div 2 - 10$$

$$= 96 + 8 - 10 = 94$$

22. If Q means $+$, J means \times , T means $-$ and K means \div then the value of $30 K 2 Q 3 J 6 T 5 = ?$
- (a) 8 (b) 32
(c) 18 (d) 28

RRB NTPC 18.04.2016 Shift : 3

Ans. (d) : Given,

$$30 K 2 Q 3 J 6 T 5 = ?$$

On changing the symbols,

$$= 30 \div 2 + 3 \times 6 - 5$$

$$= 15 + 18 - 5 = 28$$

23. If 'L' means \times , 'M' means $+$, 'N' means $-$, 'P' means \div then the value of $44 M 64 N 60 P 15 L 4 = ?$
- (a) 13 (b) 82
(c) 72 (d) 92

RRB NTPC 18.04.2016 Shift : 2

Ans. (d) : Given,

$$44 M 64 N 60 P 15 L 4 = ?$$

On changing the symbols,

$$= 44 + 64 - 60 \div 15 \times 4$$

$$= 44 + 64 - 4 \times 4$$

$$= 44 + 64 - 16$$

$$= 108 - 16 = 92$$



24. If 'P' represents '+', 'Q' represents '-', 'R' represents 'x' and 'S' represents '÷' then value of 10 Q 5 R 27 S 9 P 10 ?

(a) 10 (b) 15
(c) 5 (d) 1

RRB NTPC 18.04.2016 Shift : 2

Ans. (c) : Given,

$$10 Q 5 R 27 S 9 P 10 = ?$$

On changing the symbols,

$$= 10 - 5 \times 27 \div 9 + 10$$

$$= 10 - 5 \times 3 + 10$$

$$= 10 - 15 + 10 = 5$$

25. If 'P' means 'Division', 'T' means 'addition', 'M' means subtraction and 'D' means 'multiplication' then the value of 12 M 12 D 28 P 7 T 15 ?

(a) -21 (b) 15
(c) 30 (d) -15

RRB NTPC 18.04.2016 Shift : 1

Ans. (a) : Given,

$$P \rightarrow \div \quad T \rightarrow +$$

$$M \rightarrow - \quad D \rightarrow \times$$

$$12M 12D 28P 7T 15 = 12 - 12 \times 28 \div 7 + 15$$

$$= 12 - 12 \times 4 + 15$$

$$= 27 - 48 = -21$$

26. If P means '÷', R means 'x', Q means '+' and S means '-' then 48 P 8 Q 6 R 9 S 31 = ?

(a) 60 (b) 29
(c) 31 (d) 54

RRB NTPC 19.04.2016 Shift : 1

Ans. (b) : Given,

$$48P 8Q 6R 9S 31 = ?$$

$$P \rightarrow \div, R \rightarrow \times$$

$$Q \rightarrow +, S \rightarrow -$$

On changing the symbols,

$$= 48 \div 8 + 6 \times 9 - 31$$

$$= 6 + 54 - 31 = 29$$

27. If $a = \times$, $b = \div$ and $c = +$, then the value of $7a5c1b6$?

(a) 35 (b) $35\frac{1}{6}$

(c) $35/3$ (d) $33\frac{1}{3}$

RRB NTPC 29.03.2016 Shift : II

Ans. (b) Given,

$$a = \times, b = \div \text{ and } c = +$$

On putting the mathematical sign,

$$7a5c1b6 = 7 \times 5 + 1 \div 6$$

$$= 35 + \frac{1}{6} = 35\frac{1}{6}$$

28. If A means '+', @ means 'x', & means '÷' and V means '-', then the value of

$$7 @ 2V135 \& 5 @ 3 \& 9 A 1 ?$$

(a) 14 (b) 9
(c) 6 (d) 1

RRB NTPC 30.03.2016 Shift : 1

Ans. (c) Given expression is,

$$7 @ 2V135 \& 5 @ 3 \& 9 A 1 = ?$$

On changing the symbols,

$$= 7 \times 2 - 135 \div 5 \times 3 \div 9 + 1$$

$$= 14 - 27 \times 3 \div 9 + 1$$

$$= 14 - 9 + 1$$

$$= 6$$

29. If S means '+', L means 'x', U means '÷' and K means '-', then the value of 21 S 1 U 7 L 15 U 6 L 14 K 55 ?

(a) -50 (b) 26
(c) -29 (d) 29

RRB NTPC 31.03.2016 Shift : 2

Ans. (c) Given,

$$21 S 1 U 7 L 15 U 6 L 14 K 55 = ?$$

On changing the symbols,

$$= 21 + 1 \div 7 \times 15 \div 6 \times 14 - 55$$

$$= 21 + \frac{1}{7} \times 15 \times \frac{1}{6} \times 14 - 55$$

$$= 21 + 5 - 55$$

$$= -29$$

30. If W means '+', D means 'x', H means '÷' and U means '-' then the value of

$$2 W 4 H 3 D 7 H 4 U 9 H 4 D 4 H 5 ?$$

(a) $8/15$ (b) $27/15$
(c) $38/15$ (d) $65/15$

RRB NTPC 31.03.2016 Shift : 1

Ans. (c) Given expression is,

$$2W4H3D7H4U9H4D4H5 = ?$$

On changing the symbols,

$$= 2 + 4 \div 3 \times 7 \div 4 - 9 \div 4 \times 4 \div 5$$

$$= 2 + \frac{4}{3} \times \frac{7}{4} - \frac{9}{4} \times \frac{4}{5}$$

$$= 2 + \frac{7}{3} - \frac{9}{5} = \frac{30 + 35 - 27}{15} = \frac{38}{15}$$

31. If P means 'x', A means '+', W means '÷' and Y means '-' then the value of 13P3A11Y26P6W13A19 ?

(a) 50 (b) 38
(c) 57 (d) 43

RRB NTPC 04.04.2016 Shift : 1

Ans. (c) Given,

$$13 P 3 A 11 Y 26 P 6 W 13 A 19$$

On substituting the symbols,

$$= 13 \times 3 + 11 - 26 \div 6 \div 13 + 19$$

$$= 39 + 11 - 12 + 19$$

$$= 39 - 1 + 19 = 57$$



32. If mathematical operator 'R' means \times , 'C' means $+$, 'E' means \div and 'W' means $-$ then the value of 4 C 9 R 7 E 3 W 23 ?

- (a) 4 (b) 2
(c) -2 (d) -4

RRB NTPC 05.04.2016 Shift : 2

Ans. (b) Given,

$$4 \text{ C } 9 \text{ R } 7 \text{ E } 3 \text{ W } 23$$

On making changes according to the given rule,

$$= 4 + 9 \times 7 \div 3 - 23$$

$$= 4 + 9 \times \frac{7}{3} - 23$$

$$= 4 + 21 - 23 = 2$$

33. If 'A' letter, 'addition' 'B' letter, 'subtraction' 'C' letter, 'Division' and 'D' letter, 'multiplication' then the value of (7 D 3) B 6 A 5 (20 C 20) ?

- (a) 0 (b) 10
(c) 22 (d) 20

RRB NTPC 17.01.2017 Shift-3

Ans. (d) : Given,

$$A \rightarrow +, B \rightarrow -, C \rightarrow \div, D \rightarrow \times$$

$$(7D3) B6 A5 (20 C 20) = (7 \times 3) - 6 + 5 (20 \div 20)$$

$$= 21 - 6 + 5 \times 1$$

$$= 21 - 6 + 5$$

$$= 26 - 6 = 20$$

34. If A indicates \div , B indicates \times , C indicates $+$, and D indicates $-$ then which of the following statement is true?

- (a) $11B \ 34A \ 17D \ 8A \ 3 = \frac{38}{3}$
(b) $6B18D \ 26A \ 13C \ 7 = \frac{173}{13}$
(c) $32C \ 8A \ 16D \ 4 = \frac{3}{4}$
(d) $9C9A9D9B9 = -71$

RRB NTPC 17.01.2017 Shift-1

Ans. (d) : Given,

$$A \rightarrow (\div), B \rightarrow (\times), C \rightarrow (+) \text{ and } D \rightarrow (-)$$

From option (d) $9C \ 9A \ 9D \ 9B9 = -71$

On changing the symbols

$$= 9 + 9 \div 9 - 9 \times 9 = -71$$

$$= 9 + 1 - 9 \times 9 = -71$$

$$= 10 - 81 = -71$$

$$-71 = -71 \text{ (LHS = RHS)}$$

35. If $p + q$ implies $p - q$, $p - q$ implies $p \times q$, $p \times q$ implies $p \div q$ and $p \div q$ implies $p + q$, then find the value of $5 + 6 - 75 \times 15 \div 30$

- (a) 5 (b) -5
(c) 0 (d) 10

RRB NTPC 08.01.2021 (Shift-I) Stage Ist

Ans. (a) : Given,

$$5 + 6 - 75 \times 15 \div 30$$

As per question, on changing signs -

$$= 5 - 6 \times 75 \div 15 + 30$$

$$= 5 - 6 \times 5 + 30$$

$$= 5 - 30 + 30$$

$$= 5$$

Type-2 : Problems Based on the Conversion of Mathematical Symbols into Mathematical Symbols

36. If ' \div ' is replaced with '+', ' \times ' is replaced with ' $-$ ', '+' is replaced with ' \times ' and ' $-$ ' is replaced with ' \div ', then what will be the value of the given expression?

$$8 + 5 \times 54 - 9 \div 3 = ?$$

- (a) 44 (b) 46
(c) 37 (d) 33

RRB NTPC (Stage-II) -14/06/2022 (Shift-I)

Ans. (c) : Given,

$$\div \rightarrow +$$

$$\times \rightarrow -$$

$$+ \rightarrow \times$$

$$- \rightarrow \div$$

$$\text{Expression} = 8 + 5 \times 54 - 9 \div 3$$

On changing the symbols, $8 \times 5 - 54 \div 9 + 3$

$$= 40 - 6 + 3$$

$$= 37$$

37. If '+' means 'division', ' \div ' means 'subtraction', ' $-$ ' means 'multiplication' and ' \times ' means 'addition', then what is the value of X in the following equation?

$$200 + 10 - 25 \times 60 \div 20 = X$$

- (a) 560 (b) 500
(c) 540 (d) 520

RRB NTPC (Stage-II) -14/06/2022 (Shift-II)

Ans. (c) : Given equation-

$$200 + 10 - 25 \times 60 \div 20 = X$$

+ means $\rightarrow \div$

\div means $\rightarrow -$

$-$ means $\rightarrow \times$

\times means $\rightarrow +$

On changing the sign as per question,

$$= 200 \div 10 \times 25 + 60 - 20$$

$$= 20 \times 25 + 60 - 20$$

$$= 500 + 60 - 20 = 540$$

Hence, $X = 540$

38. If '+' means division, ' \div ' means subtraction, ' $-$ ' means multiplication, and ' \times ' means addition, then what is the value of the given expression?

$$175 - 10 + 2 \times 165 \div 25 + 5 = ?$$

- (a) 1015 (b) 1025
(c) 1035 (d) 1045

RRB NTPC (Stage-II) -17/06/2022 (Shift-I)



Ans. (c) : Given,

$$175 - 10 + 2 \times 165 \div 25 + 5 = ?$$

$$+ \rightarrow \div$$

$$\div \rightarrow -$$

$$- \rightarrow \times$$

$$\times \rightarrow +$$

On changing the sign,

$$= 175 \times 10 \div 2 + 165 - 25 \div 5$$

$$= 175 \times 5 + 165 - 5$$

$$= 875 + 165 - 5$$

$$= 1040 - 5$$

$$= 1035$$

39. If \times stands for subtraction, \div stands for addition, $+$ stands for division and $-$ stands for multiplication which of the following equation is correct?

(a) $16 \div 20 - 6 + 10 \times 12 = 16$

(b) $45 - 15 \div 15 \times 60 + 16 = 42$

(c) $9 \div 28 - 10 \times 15 + 9 = 10$

(d) $25 + 5 \times 20 \div 5 - 16 = 6$

RRB NTPC (Stage-II) -15/06/2022 (Shift-III)

Ans. (a) : Given,

$$\times \rightarrow -$$

$$\div \rightarrow +$$

$$+ \rightarrow \div$$

$$- \rightarrow \times$$

From option (a),

$$16 \div 20 - 6 + 10 \times 12 = 16$$

On interchanging the symbols,

$$16 + 20 \times 6 \div 10 - 12 = 16$$

$$16 + 20 \times \frac{6}{10} - 12 = 16$$

$$16 + 12 - 12 = 16$$

$$16 = 16$$

$$\text{L.H.S.} = \text{R.H.S.}$$

40. If \times stands for addition, \div stands for subtraction, $+$ stands for multiplication and $-$ stands for division, then $10 \times 4 \div 4 - 2 + 1 = ?$

(a) 40

(b) 5

(c) 12

(d) 12.5

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (c) : Given,

$$10 \times 4 \div 4 - 2 + 1 = ?$$

On changing the signs,

$$10 + 4 - 4 \div 2 \times 1$$

$$14 - 2 \times 1 = 12$$

41. If ' \times ' means ' \div ', ' \div ' means ' $+$ ', ' $-$ ' means ' \times ' and ' $+$ ' means ' $-$ ' then what will be the value of $392 \div 28 \times 7 - 4 + 10$

(a) 398

(b) 400

(c) 390

(d) 392

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (a) : Given,

$$392 \div 28 \times 7 - 4 + 10$$

On changing the symbols according to the question,

$$= 392 + 28 \div 7 \times 4 - 10$$

$$= 392 + 4 \times 4 - 10$$

$$= 392 + 16 - 10 = 408 - 10 = 398$$

42. If ' $+$ ' stands for division, ' $-$ ' stands for addition, ' \times ' stands for subtraction and ' $/$ ' stands for multiplication then what will be the value of the following expression?

$$\{[(15 \times 10) - (3/5)] + (12 - 8)\} / 1$$

(a) 1

(b) 0

(c) 10

(d) 2

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (a) : Given that,

$$\{[(15 \times 10) - (3/5)] + (12 - 8)\} / 1$$

$$+ = \div$$

$$- = +$$

$$\times = -$$

$$/ = \times$$

On changing the signs,

$$\{[(15 - 10) + (3 \times 5)] \div (12 + 8)\} \times 1$$

$$[(5 + 15) \div 20]$$

$$\frac{20}{20} = 1$$

43. If ' $-$ ' stands for ' \times ', ' $+$ ' stands for ' \div ', ' \times ' stands for ' $+$ ' and ' \div ' stands for ' $-$ ', then find the value of $24 + 6 \div 2 - 9 \times 4$.

(a) -8

(b) 8

(c) -10

(d) 24

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (c) : Given,

$$24 + 6 \div 2 - 9 \times 4$$

According to the question on changing the signs,

$$= 24 \div 6 - 2 \times 9 + 4$$

$$= 4 - 18 + 4$$

$$= 8 - 18 = -10$$

44. If ' $+$ ' is replaced by ' $-$ ', ' \times ' is replaced by ' $+$ ' and ' $-$ ' is replace by ' \times ', then $28 + (5 \times 7) - \frac{9}{6}$,

will be equal to :

(a) 8

(b) 15

(c) 10

(d) 20

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (c) : Given,

$$28 + (5 \times 7) - \frac{9}{6} = ?$$

$$+ \rightarrow -, \times \rightarrow +, - \rightarrow \times$$

According to the question, on changing signs,

$$= 28 - (5 + 7) \times \frac{9}{6}$$

$$= 28 - 12 \times \frac{9}{6} = 28 - 18 = 10$$



45. If '+' means '×', '-' means '÷', '×' means '-' and '÷' means '+', then which of the following equations is correct?

- (a) $8 \div 2 \times 6 + 8 - 4 = 2$
 (b) $8 + 6 \div 12 \times 4 - 2 = 58$
 (c) $12 - 4 \times 2 \div 5 + 4 = 25$
 (d) $7 \times 9 \div 6 - 3 + 2 = 6$

RRB NTPC 04.02.2021 (Shift-II) Stage Ist

Ans. (b) : From option (b)

$$8 + 6 \div 12 \times 4 - 2 = 58$$

On changing the signs according to question,

$$\begin{aligned} \text{L.H.S} &= 8 \times 6 + 12 - 4 \div 2 \\ &= 48 + 12 - 2 \\ &= 60 - 2 \\ &= 58 \\ &= \text{R.H.S} \end{aligned}$$

Hence, option (b) will be correct answer.

46. If + means -, - means ÷, ÷ means ×, × means +, then what is the value of $125 - 5 \times 10 \div 13 + 28 = ?$

- (a) 133 (b) 140
 (c) 127 (d) 129

RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (c) : Given,

$$125 - 5 \times 10 \div 13 + 28$$

On changing the sign as per question,

$$\begin{aligned} &125 \div 5 + 10 \times 13 - 28 \\ &= 25 + 10 \times 13 - 28 \\ &= 25 + 130 - 28 \\ &= 155 - 28 \\ &= 127 \end{aligned}$$

47. If Addition means Division, Subtraction means Multiplication, Multiplication means Addition and Division means Subtraction, then what will be the value of $13 - 2 \times 4 \div 9 + 3$?

- (a) 27 (b) 19
 (c) 30 (d) 33

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (a) : Given,

$$13 - 2 \times 4 \div 9 + 3$$

On changing the sign,

$$\begin{aligned} &= 13 \times 2 + 4 - 9 \div 3 \\ &= 26 + 4 - 3 \\ &= 30 - 3 \\ &= 27 \end{aligned}$$

48. If '+' denotes 'multiplication', '-' denotes 'addition', '×' denotes 'division' and '÷' denotes 'subtraction'. Then which of the following equation is true?

- (a) $15 + 15 \times 3 - 4 \div 5 = 26$
 (b) $11 \div 8 \times 2 - 4 + 1 = 42$
 (c) $9 + 5 - 16 \times 4 \div 2 = 41$
 (d) $10 - 12 \div 18 \times 6 + 2 = 16$

RRB NTPC 04.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,

$$\begin{aligned} + &\rightarrow \times \\ - &\rightarrow + \\ \times &\rightarrow \div \\ \div &\rightarrow - \end{aligned}$$

From option (d)

$$10 - 12 \div 18 \times 6 + 2 = 16$$

On changing the symbol according to the question,

$$\text{L.H.S.} = 10 + 12 - 18 \div 6 \times 2$$

$$10 + 12 - 3 \times 2$$

$$22 - 6$$

$$16 = \text{R.H.S.}$$

49. If '+' means 'division', '-' means 'addition', '×' means 'subtraction' and '÷' means 'multiplication', then what will be the value of the following expression?

$$\left[\left\{ (20 \times 18) - \left(\frac{6}{2} \right) \right\} + (5 - 2) \right]$$

- (a) 2 (b) 3
 (c) 4 (d) 1

RRB NTPC 02.02.2021 (Shift-I) Stage Ist

Ans. (a) : Given,

$$\left[\left\{ (20 \times 18) - \left(\frac{6}{2} \right) \right\} + (5 - 2) \right]$$

According to the question on changing the signs,

$$= \left[\left\{ (20 - 18) + (6 \times 2) \right\} \div (5 + 2) \right]$$

$$= \left[\left\{ 2 + 12 \right\} \div 7 \right]$$

$$= \frac{14 \div 7}{1} = \frac{2}{1} = 2$$

50. If '+' means 'multiplication', '×' means 'Addition', '-' means 'division', and '÷' means 'subtraction', then find the value of

$$(18 + 10 \times 20) - 8 \div 6$$

- (a) 59 (b) 69
 (c) 19 (d) 29

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (c) : Given,

$$(18 \times 10 + 20) \div 8 - 6$$

On changing the signs,

$$= (180 + 20) \div 8 - 6$$

$$= \frac{200}{8} - 6$$

$$= 25 - 6$$

$$= 19$$

51. If '+' means 'division', '-' means 'addition', '×' means 'subtract', what will be the value of the following expression?

$$\left\{ 6 - \left(\frac{2}{7} \right) + \left(\frac{4}{5} \right) \right\}$$

- (a) $\frac{89}{14}$ (b) 7
 (c) $\frac{45}{7}$ (d) $\frac{87}{14}$

RRB NTPC 10.02.2021 (Shift-I) Stage Ist



Ans. (a) : Given,

$$\left\{ 6 - \left(\frac{2}{7} \right) + \left(\frac{4}{5} \right) \right\}$$

On changing the sign according to the question,

$$= \left\{ 6 + \left(\frac{2}{7} \right) + \left(\frac{4}{5} \right) \right\}$$

$$= \left\{ 6 + \frac{2}{7} + \frac{4}{5} \right\}$$

$$= \left\{ 6 + \frac{5}{14} \right\}$$

$$= \frac{89}{14}$$

52. If '+' means '×', '-' means '÷', '×' means '-' and '÷' means '+', then which of the following equations is correct?

- (a) $8 \div 2 \times 6 + 8 - 4 = 2$
 (b) $8 + 6 \div 12 \times 4 - 2 = 58$
 (c) $12 - 4 \times 2 \div 5 + 4 = 25$
 (d) $7 \times 9 \div 6 - 3 + 2 = 6$

RRB NTPC 19.03.2021 (Shift-I) Stage Ist

Ans. (b) : On taking option (b),

$$8 + 6 \div 12 \times 4 - 2 = 58$$

According to the question, on changing symbols:

$$\text{L.H.S} = 8 \times 6 + 12 - 4 \div 2$$

$$48 + 12 - 2$$

$$60 - 2$$

$$58 = \text{R.H.S}$$

53. If '+' means '×', '-' means '÷', '÷' means '+' and '×' means '-' then $16 \div 64 - 4 \times 4 + 3 = ?$

- (a) 20 (b) 15.2
 (c) 52 (d) 12

RRB NTPC 30.04.2016 Shift : 3

Ans. (a) : Given,

$$16 \div 64 - 4 \times 4 + 3$$

On changing the signs,

$$16 + 64 \div 4 - 4 \times 3$$

From BODMAS rules

$$= 16 + 16 - 4 \times 3$$

$$= 16 + 16 - 12$$

$$= 32 - 12 = 20$$

54. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' then the value of $216 \div 3 + 48 - 6 \times 21$?

- (a) 206 (b) 213
 (c) 236 (d) 263

RRB NTPC 28.04.2016 Shift : 3

Ans. (b) : Given,

$$216 \div 3 + 48 - 6 \times 21 = ?$$

On changing the symbols,

$$= 216 - 3 \times 48 \div 6 + 21$$

$$= 216 - 3 \times 8 + 21$$

$$= 216 - 3 = 213$$

55. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' then the value of $512 - 8 + 5 \div 73 \times 92$?

- (a) 339 (b) 395
 (c) 401 (d) 490

RRB NTPC 28.04.2016 Shift : 3

Ans. (a) : Given,

$$512 - 8 + 5 \div 73 \times 92 = ?$$

On changing the symbols,

$$= 512 \div 8 \times 5 - 73 + 92$$

$$= 64 \times 5 + 19$$

$$= 320 + 19 = 339$$

56. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' then what will be the value of $208 - 4 + 3 \div 23 \times 57$?

- (a) 190 (b) 195
 (c) 201 (d) 290

RRB NTPC 28.04.2016 Shift : 2

Ans. (a) : Given,

$$208 - 4 + 3 \div 23 \times 57$$

On changing the symbols according to the question,

$$= 208 \div 4 \times 3 - 23 + 57$$

$$= 52 \times 3 - 23 + 57$$

$$= 156 - 23 + 57 = 190$$

57. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' then what will be the value of $225 \div 5 + 96 - 3 \times 31$?

- (a) 86 (b) 96
 (c) 106 (d) 116

RRB NTPC 28.04.2016 Shift : 2

Ans. (b) : Given,

$$225 \div 5 + 96 - 3 \times 31 = ?$$

On changing the symbols,

$$= 225 - 5 \times 96 \div 3 + 31$$

$$= 225 - 5 \times 32 + 31$$

$$= 225 - 160 + 31$$

$$= 96$$

58. If '÷' denotes "multiplication", "-" denotes "addition", "+" denotes "division" and "×" denotes "Subtraction", then which of the following is the value of the expression?

$$19 \div 9 \times 51 - 171 + 19$$

- (a) 143 (b) 129
 (c) 179 (d) 151

RRB NTPC 22.04.2016 Shift : 2

Ans. (b) : Given,

$$19 \div 9 \times 51 - 171 \pm 19 = ?$$

On changing the symbols,

$$= 19 \times 9 - 51 \pm 171 \div 19$$

$$= 171 - 51 \pm 9$$

$$= 180 - 51 = 129$$



59. If '+' means '×', '-' means '+', '×' means '÷' and '÷' means '-' then $21 \div 8 + 2 - 12 \times 3 = ?$
- (a) 14 (b) 9
(c) 13.5 (d) 11

RRB NTPC 07.04.2016 Shift : 3

Ans. (b) : Given,

$$21 \div 8 + 2 - 12 \times 3 = ?$$

On changing the symbols,

$$\begin{aligned} &= 21 - 8 \times 2 + 12 \div 3 \\ &= 21 - 8 \times 2 + 4 \\ &= 21 - 16 + 4 \\ &= 25 - 16 \\ &= 9 \end{aligned}$$

60. If '+' means '×', '-' means '+', '×' means '÷' and '÷' means '-' then $15 \times 5 \div 3 + 1 - 1 = ?$
- (a) -1 (b) -2
(c) 3 (d) 1

RRB NTPC 07.04.2016 Shift : 3

Ans. (d) : Given,

$$15 \times 5 \div 3 + 1 - 1 = ?$$

On changing the symbols,

$$\begin{aligned} &= 15 \div 5 - 3 \times 1 + 1 \\ &= 3 - 3 + 1 = 1 \end{aligned}$$

61. If × means ÷, - means ×, ÷ means + and + means - then the value of $(3 - 15 \div 19) \times 8 + 6 = ?$
- (a) -1 (b) 2
(c) 4 (d) 8

RRB NTPC 07.04.2016 Shift : 1

Ans. (b) : Given,

$$(3 - 15 \div 19) \times 8 + 6 = ?$$

On changing the symbols,

$$\begin{aligned} &= (3 \times 15 + 19) \div 8 - 6 \\ &= (45 + 19) \div 8 - 6 \\ &= 64 \div 8 - 6 \\ &= 8 - 6 \\ &= 2 \end{aligned}$$

62. If '+' means ×, '-' means ÷, '×' means + and '÷' means - then the value of $48 - 3 + 8 \times 9 = ?$
- (a) 136 (b) 137
(c) 138 (d) 142

RRB NTPC 10.04.2016 Shift : 3

Ans. (b) : Given,

$$48 - 3 + 8 \times 9 = ?$$

On changing the symbols,

$$\begin{aligned} &= 48 \div 3 \times 8 + 9 \\ &= 16 \times 8 + 9 \\ &= 128 + 9 = 137 \end{aligned}$$

63. If '+' means ×, '-' means ÷, '×' means + and '÷' means '-' then the value of $19 + 5 \times 14 \div 9 = ?$
- (a) 100 (b) 107
(c) 109 (d) 104

RRB NTPC 10.04.2016 Shift : 3

Ans. (a) : Given,

$$19 + 5 \times 14 \div 9 = ?$$

On changing the symbols,

$$\begin{aligned} &= 19 \times 5 + 14 - 9 \\ &= 95 + 14 - 9 \\ &= 109 - 9 = 100 \end{aligned}$$

64. If + means ×, - means ÷, × means - and ÷ means + then the value of $(26 + 74 - 4 \times 5 \div 2) = ?$
- (a) 220 (b) 376
(c) 478 (d) 488

RRB NTPC 11.04.2016 Shift : 3

Ans. (c) : Given,

$$26 + 74 - 4 \times 5 \div 2 = ?$$

On changing the symbols,

$$\begin{aligned} 26 \times 74 \div 4 - 5 + 2 &= 26 \times \frac{37}{2} - 3 \\ &= 13 \times 37 - 3 = 481 - 3 = 478 \end{aligned}$$

65. Answer the questions based on the information given below. If '+' is '×', '-' is '+', '×' is '÷' and '÷' is '-' then $3 \times 2 + 4 - 2 \div 9 = ?$
- (a) -1 (b) 1
(c) -2 (d) 3

RRB NTPC 11.04.2016 Shift : 1

Ans. (a) : Given,

$$3 \times 2 + 4 - 2 \div 9 = ?$$

On changing the symbols,

$$\begin{aligned} &= 3 \div 2 \times 4 + 2 - 9 \\ &= 3 \times 2 + 2 - 9 \\ &= 8 - 9 \\ &= -1 \end{aligned}$$

66. Answer the questions based on the below information. If '+' is '×', '-' is '+', '×' is '÷' and '÷' is '-' then $6 - 9 + 8 \times 3 \div 20 = ?$
- (a) -2 (b) 6
(c) 10 (d) 12

RRB NTPC 11.04.2016 Shift : 1

Ans. (c) : Given,

$$6 - 9 + 8 \times 3 \div 20 = ?$$

On changing the symbols,

$$\begin{aligned} &= 6 + 9 \times 8 \div 3 - 20 \\ &= 6 + 9 \times \frac{8}{3} - 20 \\ &= 6 + 24 - 20 \\ &= 30 - 20 \\ &= 10 \end{aligned}$$

67. If '+' means '×', '-' means '+', '×' means '÷' and '÷' means '-' then the value of $9 \div 5 + 4 - 3 \times 2 = ?$
- (a) 2 (b) -9
(c) -3 (d) -9.5

RRB NTPC 11.04.2016 Shift : 1

Ans. (d) : Given,

$$9 \div 5 + 4 - 3 \times 2 = ?$$

On changing the symbols,

$$\begin{aligned} &= 9 - 5 \times 4 + 3 \div 2 \\ &= 9 - 20 + \frac{3}{2} \\ &= \frac{18 - 40 + 3}{2} = -\frac{19}{2} \\ &= -9.5 \end{aligned}$$



68. If + means \times , - means \div , \times means - and \div means +, then $5 \times 4 - 6 \div 3 + 1 = ?$
 (a) 19 (b) 8.33
 (c) -1 (d) 7.33

RRB NTPC 12.04.2016 Shift : 1

Ans. (d) : Given,

$$5 \times 4 - 6 \div 3 + 1 = ?$$

On changing the symbols,

$$= 5 - 4 \div 6 + 3 \times 1 = 5 - \frac{2}{3} + 3$$

$$= \frac{15 - 2 + 9}{3} = \frac{22}{3} = 7.33$$

69. If ' \times ' means '-', '-' means ' \times ', '+' means ' \div ', ' \div ' means '+', then what will be the value $15 - 2 \div 900 + 90 \times 100$?
 (a) 60 (b) -60
 (c) 0 (d) 1

RRB NTPC 16.04.2016 Shift : 3

Ans. (b) : Given,

$$15 - 2 \div 900 + 90 \times 100 = ?$$

On changing the symbols,

$$= 15 \times 2 + 900 \div 90 - 100$$

$$= 30 + 10 - 100$$

$$= 40 - 100 = -60$$

70. If \div means ' \times ', \times means '+', + means '-' and - means ' \div ' then the value of $16 \times 3 + 5 - 2 \div 4$?
 (a) 19 (b) 10
 (c) 9 (d) 1

RRB NTPC 18.04.2016 Shift : 3

Ans. (c) : Given,

$$16 \times 3 + 5 - 2 \div 4 = ?$$

On changing the symbols,

$$= 16 + 3 - 5 \div 2 \times 4$$

$$= 19 - \frac{5}{2} \times 4 = 19 - 10 = 9$$

71. If '+' means ' \times ', ' \times ' means ' \div ', ' \div ' means '-' and '-' means '+' then which is the value of $15 + 16 \times 16 \div 15 = ?$
 (a) 10 (b) 5
 (c) 1 (d) 0

RRB NTPC 18.04.2016 Shift : 2

Ans. (d) : Given,

$$15 + 16 \times 16 \div 15 = ?$$

On changing the symbols,

$$= 15 \times 16 \div 16 - 15$$

$$= 15 \times 1 - 15$$

$$= 15 - 15 = 0$$

72. If ' \times ' means '-', ' \div ' means '+', '+' means ' \div ' and '-' means ' \times ' then $19 \div 63 + 21 \times 2 - 3 = ?$
 (a) 19 (b) 16
 (c) 8 (d) 9

RRB NTPC 19.04.2016 Shift : 3

Ans. (b) : Given,

$$19 \div 63 + 21 \times 2 - 3 = ?$$

On changing the symbols,

$$= 19 + 63 \div 21 - 2 \times 3$$

$$= 19 + 3 - 6$$

$$= 22 - 6 = 16$$

73. If ' \div ' means '+', '+' means ' \div ' and '-' means ' \times ' then $25 \div 5 \div 2 - 15 = ?$

- (a) 0 (b) -12
 (c) 60 (d) 45

RRB NTPC 19.04.2016 Shift : I

Ans. (c) : Given,

$$25 \div 5 \div 2 - 15 = ?$$

On changing the symbols,

$$= 25 + 5 + 2 \times 15$$

$$= 30 + 30 = 60$$

74. If '+' means ' \times ', '-' means ' \div ', ' \times ' means '-' and ' \div ' means '+' then $18 + 12 - 4 \div 5 \times 6 = ?$

- (a) 65 (b) 53
 (c) 59 (d) 63

RRB NTPC 18.01.2017 Shift : III

Ans. (b) : Given,

$$18 + 12 - 4 \div 5 \times 6 = ?$$

On changing the symbols,

$$= 18 \times 12 \div 4 + 5 - 6$$

$$= 18 \times 3 + 5 - 6$$

$$= 59 - 6 = 53$$

75. If \div means '-', \times means '+', - means \times and + means \div then the value of $(7 \times 3 + 2) - 6 \div 4$?

- (a) 17 (b) 1
 (c) 47 (d) 21

RRB NTPC 28.03.2016 Shift : III

Ans. (c) : Given,

$$(7 \times 3 + 2) - 6 \div 4 = ?$$

On changing the symbols,

$$= (7 + 3 \div 2) \times 6 - 4$$

$$= \left(7 + \frac{3}{2}\right) \times 6 - 4$$

$$= \frac{17}{2} \times 6 - 4$$

$$= 47$$

76. If the mathematical operator '+' means ' \div ', '-' means '+', ' \div ' means ' \times ' and ' \times ' means '-', then the value of $17 - 7 \div 27 + 3 \times 79$ is?

- (a) -1 (b) 0
 (c) 1 (d) 2

RRB NTPC 29.03.2016 Shift : III

Ans. (c) : Given,

$$17 - 7 \div 27 + 3 \times 79$$

On substituting the symbols,

$$= 17 + 7 \times 27 \div 3 - 79$$

$$= 17 + 63 - 79$$

$$= 80 - 79 = 1$$



77. If '+' means '÷' and '-' means '×' then what will be the value of $8 + 6 - 3$?

- (a) 11 (b) 4
(c) 5 (d) 14

RRB NTPC 29.03.2016 Shift : II

Ans. (b) : Given,

$$8 + 6 - 3 = ?$$

On changing the symbols,

$$= 8 \div 6 \times 3$$

$$= \frac{8}{6} \times 3 = 4$$

78. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' , compute the value of the expression $15 + 9 \times 10 \div 5$?

- (a) 140 (b) 190
(c) 145 (d) 130

RRB NTPC 02.04.2016 Shift : III

Ans. (a) : Given,

$$15 + 9 \times 10 \div 5 = ?$$

On changing the symbols,

$$= 15 \times 9 + 10 - 5$$

$$= 135 + 5 = 140$$

79. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' compute the value of the expression $45 - 9 + 4 \times 5$?

- (a) 21 (b) 25
(c) 26 (d) 23

RRB NTPC 02.04.2016 Shift : III

Ans. (b) : Given,

$$45 - 9 + 4 \times 5 = ?$$

On changing the symbols,

$$= 45 \div 9 \times 4 + 5$$

$$= \frac{45}{9} \times 4 + 5 = 5 \times 4 + 5 = 25$$

80. If '+' means '×', '-' means '+', '×' means ÷ and '÷' means '-' compute the value of the expression $17 + 6 - 13 \div 8$?

- (a) 100 (b) 107
(c) 110 (d) 109

RRB NTPC 02.04.2016 Shift : II

Ans. (b) : Given,

$$17 + 6 - 13 \div 8 = ?$$

On changing the symbols,

$$= 17 \times 6 + 13 - 8$$

$$= 102 + 13 - 8$$

$$= 115 - 8 = 107$$

81. If '+' means '×', '-' means ÷, '×' means '+', and '÷' means '-' then $36 - 4 + 7 \times 8 = ?$

- (a) 72 (b) 71
(c) 74 (d) 75

RRB NTPC 02.04.2016 Shift : II

Ans. (b) : Given,

$$36 - 4 + 7 \times 8 = ?$$

On changing the symbols,

$$= 36 \div 4 \times 7 + 8$$

$$= 9 \times 7 + 8$$

$$= 63 + 8 = 71$$

82. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' compute the value of the expression $15 + 7 \times 12 \div 7 = ?$

- (a) 110 (b) 107
(c) 104 (d) 100

RRB NTPC 02.04.2016 Shift : I

Ans. (a) : Given,

$$15 + 7 \times 12 \div 7 = ?$$

On changing the symbols,

$$= 15 \times 7 + 12 - 7$$

$$= 105 + 12 - 7 = 110$$

83. If '+' means '×', '-' means '÷', '×' means '+' , and '÷' means '-' then $35 - 5 + 6 \times 7 = ?$

- (a) 45 (b) 49
(c) 55 (d) 51

RRB NTPC 02.04.2016 Shift : I

Ans. (b) : Given,

$$35 - 5 + 6 \times 7 = ?$$

On changing the symbols,

$$= 35 \div 5 \times 6 + 7$$

$$= 7 \times 6 + 7 = 49$$

84. If '+' means '×', '-' means ÷ '×' means '+' and '÷' means '-' then $42 - 6 + 5 \times 6 = ?$

- (a) 45 (b) 41
(c) 43 (d) 44

RRB NTPC 03.04.2016 Shift : III

Ans. (b) : Given,

$$42 - 6 + 5 \times 6 = ?$$

On changing the symbols,

$$= 42 \div 6 \times 5 + 6$$

$$= 7 \times 5 + 6$$

$$= 35 + 6 = 41$$

85. If the mathematical operator '+' means '×', '÷' means '-', '-' means '+' and '×' means '÷', find the value of $1 \times 2 + 6 - 2 \div 7$?

- (a) 2 (b) -2
(c) 3 (d) -1

RRB NTPC 03.04.2016 Shift : II

Ans. (b) : Given,

$$1 \times 2 + 6 - 2 \div 7$$

On changing the symbols,

$$= 1 \div 2 \times 6 + 2 - 7$$

$$= \frac{1}{2} \times 6 + 2 - 7$$

$$= 3 + 2 - 7 = -2$$

86. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' then $64 - 4 + 8 \times 9 = ?$

- (a) 136 (b) 137
(c) 138 (d) 142

RRB NTPC 04.04.2016 Shift : III



Ans. (b) : Given,

$$64 - 4 + 8 \times 9 = ?$$

On changing the symbols,

$$= 64 \div 4 \times 8 + 9$$

$$= \frac{64}{4} \times 8 + 9$$

$$= 16 \times 8 + 9 = 137$$

87. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' then the value of

$$23 + 5 \times 14 \div 9 = ?$$

- (a) 120 (b) 127
(c) 129 (d) 124

RRB NTPC 04.04.2016 Shift : III

Ans. (a) : Given,

$$23 + 5 \times 14 \div 9 = ?$$

On changing the symbols,

$$= 23 \times 5 + 14 - 9$$

$$= 115 + 5 = 120$$

88. If the mathematical operator '+' means '×', '+' means '-', '×' means '+' and '-' means '÷', then $25 + 18 - 3 \times 7 \div 3 = ?$

- (a) 25 (b) 21
(c) 19 (d) 40

RRB NTPC 05.04.2016 Shift : III

Ans. (d) : Given,

$$25 + 18 - 3 \times 7 \div 3 = ?$$

On changing the symbols,

$$= 25 - 18 \div 3 + 7 \times 3$$

$$= 25 - 6 + 21 = 40$$

89. If '+' means '÷' and '-' means '×', '÷' means '+' and '×' means '-' then $36 \times 12 + 4 \div 6 + 2 - 3 = ?$

- (a) 1 (b) 39
(c) 40 (d) 42

RRB NTPC 17.01.2017 Shift-III

Ans. (d) : Given,

$$36 \times 12 + 4 \div 6 + 2 - 3 = ?$$

On changing the symbols,

$$= 36 - 12 \div 4 + 6 \div 2 \times 3$$

$$= 36 - 3 + 3 \times 3$$

$$= 36 - 3 + 9$$

$$= 45 - 3 = 42$$

Type - 3 : Problems Based on the Conversion of Symbols into Mathematical Symbols

90. If '<' means '-', '>' means '+', '&' means '×', and '@' means '÷', then what would be the value of the following expression?

$$119 < 56 @ 4 > 23 \& 2$$

- (a) 202 (b) 231
(c) 151 (d) 191

RRB NTPC (Stage-II) -15/06/2022 (Shift-II)

Ans. (c) : Given,

$$< \rightarrow -$$

$$> \rightarrow +$$

$$\& \rightarrow \times$$

$$@ \rightarrow \div$$

$$= 119 < 56 @ 4 > 23 \& 2$$

On changing the symbol as per question,

$$= 119 - 56 \div 4 + 23 \times 2$$

$$= 119 - 14 + 46$$

$$= 151$$

91. If '<' means '-', '>' means '+', and '\$' means '÷', then what would be the value of the following expression?

$$37 > 165 \$ 3 < 5$$

- (a) 95 (b) 63
(c) 72 (d) 87

RRB NTPC (Stage-II) -16/06/2022 (Shift-II)

Ans. (d) : Given,

$$< \Rightarrow -$$

$$> \Rightarrow +$$

$$\$ \Rightarrow \div$$

On changing the symbol,

$$37 > 165 \$ 3 < 5$$

$$= 37 + 165 \div 3 - 5$$

$$= 37 + 55 - 5$$

$$= 92 - 5$$

$$= 87$$

92. If '×' means '-', '#' means '+', '@' means '=', '\$' means '÷' and '&' means '×', then which of the following equation is true?

(a) $(81 \times 4) \& 3 @ 8 \$ 15 \& 7$

(b) $(81 \times 4) \& 3 @ 4 \# 16 \times 3$

(c) $(6 \# 2) \$ 2 @ (2 \& 8) \times 1$

(d) $(15 \times 4) \& 3 @ (60 \$ 2) \# 3$

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (d) : On putting the signs from option (d),

$$(15 \times 4) \& 3 @ (60 \$ 2) \# 3$$

$$(15 - 4) \times 3 = (60 \div 2) + 3$$

$$11 \times 3 = 30 + 3$$

$$33 = 33$$

93. If '>' denotes '+', '<' denotes '-', '+' denotes '÷', '^' denotes '×', '-' denotes '=', '=' denotes '<' and '×' denotes '>', then which of the following equation is correct?

(a) $7 > 7 < 7 + 7 = 14$ (b) $7 < 7 + 7 = 6$

(c) $7 + 7 > 7 = 8$ (d) $7 \wedge 7 > 7 + 7 = 7$

RRB NTPC 06.04.2021 (Shift-I) Stage Ist

Ans. (a) : Given-

$> \Rightarrow +$	$< \Rightarrow -$	$+ \Rightarrow \div$
$\wedge \Rightarrow \times$	$- \Rightarrow =$	$= \Rightarrow <$
$\times \Rightarrow >$		

From options-

(a) $7 > 7 < 7 + 7 = 14$

On changing the sign, according to the question

$$7 + 7 - 7 \div 7 < 14$$



- (b) $13 < 14$
 $7 < 7 + 7 = 6$
 On changing the sign
 $7 - 7 \div 7 < 6$
 $6 < 6$
- (c) $7 + 7 > 7 = 8$
 On changing the sign
 $7 \div 7 + 7 < 8$
 $8 < 8$
- (d) $7 \wedge 7 > 7 + 7 = 7$
 On changing the sign
 $7 \times 7 + 7 \div 7 < 7$
 $50 < 7$

It is clear that option (a) is correct.

94. If '>' meaning '+', '<' meaning '-', '+' meaning '÷', '^' meaning '×' and '-' meaning '=' then find the true given equations?

- (a) $6 < 18 + 3 > 10 \wedge 3 - 32$
 (b) $10 < 9 + 3 \wedge 6 > 5 - 47$
 (c) $6 < 18 + 3 > 12 \wedge 3 - 48$
 (d) $7 < 18 + 2 \wedge 12 > 3 - 2 < 100$

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (d) : From option (d)-

$$7 < 18 + 2 \wedge 12 > 3 - 2 < 100$$

On changing the symbol with signs,

$$7 - 18 \div 2 \times 12 + 3 = 2 - 100$$

$$7 - 9 \times 12 + 3 = -98$$

$$-108 + 10 = -98$$

$$-98 = -98$$

$$\text{L.H.S} = \text{R.H.S}$$

So, option (d) is correct on interchange of signs.

95. If > represents '+', '<' represents '-', + represents '÷', - represents '=', × represents > and = represents '<' then which statement is true ?

- (a) $9 + 9 > 9 = 9$
 (b) $9 < 7 \div 7 = 6$
 (c) $7 \# 7 > 7 + 7 = 7 \# 7 > 1$
 (d) $7 > 7 < 7 + 7 = 14$

RRB NTPC 19.01.2017 Shift : III

Ans. (d) : From option (d) -

$$7 > 7 < 7 + 7 = 14$$

On changing the symbols,

$$7 + 7 - 7 \div 7 < 14$$

$$7 + 7 - 1 < 14$$

$$13 < 14$$

Hence option (d) is correct.

96. If > means '+', < means '-', + means '÷', - means '=', # means '×', '×' means '>' and '=' means '<' then which statement is true ?

- (a) $14 + 7 > 3 = 6 + 3 > 2$
 (b) $6 + 3 > 8 = 4 + 2 < 1$
 (c) $9 < 6 + 3 = 7 > 4$
 (d) $4 > 6 + 2 \times 32 + 4 < 1$

RRB NTPC 19.01.2017 Shift : I

Ans. (c) : From option (c)

$$9 < 6 + 3 = 7 > 4$$

On changing the symbols according to the question,

$$9 - 6 \div 3 < 7 + 4$$

$$= 7 < 11$$

97. If '@' means ×, '*' means ÷, '\$' means + And # means '-' then $16 \$ 4 @ 5 \# 72 * 8 = ?$

- (a) 25 (b) 27
 (c) 29 (d) 31

RRB NTPC 10.04.2016 Shift : 3

Ans. (b) : Given,

$$16 \$ 4 @ 5 \# 72 * 8 = ?$$

On changing the symbols,

$$= 16 + 4 \times 5 - 72 \div 8$$

$$= 16 + 20 - 9$$

$$= 36 - 9 = 27$$

98. If '<' means '-', '>' means '+', '=' means '×' And '\$' means '÷' then which is the value $27 > 81 \$ 9 < 6$?

- (a) 6 (b) 30
 (c) 36 (d) 54

RRB NTPC 11.04.2016 Shift : III

Ans. (b) : Given,

$$27 > 81 \$ 9 < 6 = ?$$

On changing the symbols,

$$= 27 + 81 \div 9 - 6$$

$$= 27 + 9 - 6$$

$$= 27 + 3 = 30$$

99. If α means '÷', β means '×', γ means '-', ω means '+' then the value of $8 \alpha 6 \gamma 4 \beta 7 \omega 3$?

- (a) 14 (b) -71/3
 (c) 12 (d) -23/2

RRB NTPC 12.04.2016 Shift : II

Ans. (b) : Given,

$$8 \alpha 6 \gamma 4 \beta 7 \omega 3 = ?$$

On changing the symbols,

$$= 8 \div 6 - 4 \times 7 + 3$$

$$= \frac{8}{6} - 4 \times 7 + 3$$

$$= \frac{4}{3} - 28 + 3$$

$$= \frac{4 - 84 + 9}{3}$$

$$= \frac{13 - 84}{3} = \frac{-71}{3}$$

100. If '<' stands for '-', '>' stands for '+', '=' stands for 'x' and '@' stands for '÷' then what will be the value of $27 > 81 @ 9 < 6$?

- (a) 32 (b) 33
 (c) 30 (d) 35

RRB NTPC 16.04.2016 Shift : III



Ans. (c) : Given,

$$27 > 81 @ 9 < 6 = ?$$

On changing the symbols,

$$= 27 + 81 \div 9 - 6$$

$$= 27 + 9 - 6$$

$$= 36 - 6 = 30$$

101. If ' \leftarrow ' stands for '+', ' \rightarrow ' stands for '-', ' \uparrow ' stands for ' \times ', ' \downarrow ' stands for ' \div ', ' \wedge ' stands for '=', then which of the following alternatives is correct"

(a) $3 \downarrow 6 \uparrow 2 \leftarrow 3 \rightarrow 6 \wedge 5$

(b) $2 \downarrow 5 \rightarrow 6 \leftarrow 2 \wedge 6$

(c) $7 \rightarrow 43 \uparrow 6 \downarrow 1 \wedge 4$

(d) $5 \leftarrow 7 \rightarrow 3 \uparrow 2 \wedge 4$

RRB NTPC 16.04.2016 Shift : I

Ans. (b) : Given,

$$\leftarrow = +, \quad \rightarrow = -, \quad \uparrow = \times,$$

$$\downarrow = \div, \quad \wedge = =$$

After changing the symbol, through the option,

(a) $3 \times 6 + 2 + 3 - 6 = 5$

$$\Rightarrow 23 - 6 = 5$$

$$\Rightarrow 17 \neq 5$$

(b) $2 \times 5 - 6 + 2 = 6$

$$\Rightarrow 12 - 6 = 6$$

$$\Rightarrow 6 = 6$$

(c) $7 - 43 + 6 \times 1 = 4$

$$\Rightarrow -30 \neq 4$$

(d) $5 + 7 - 3 + 2 = 4$

$$\Rightarrow 11 \neq 4$$

Hence option (b) is correct.

102. If & means '+', \$ means '-', # means ' \div ' And % means ' \times ' then the value of $9 \% 3 \& 22 \$ 52 \& 85 \# 17 = ?$

(a) 8

(b) 2

(c) -3

(d) 5

RRB NTPC 18.01.2017 Shift : I

Ans. (b) : Given,

$$9 \% 3 \& 22 \$ 52 \& 85 \# 17 = ?$$

On changing the symbols,

$$= 9 \times 3 + 22 - 52 + 85 \div 17$$

$$= 27 + 22 - 52 + 5$$

$$= 54 - 52 = 2$$

103. If != \div , # = +, ^ = \times then the value of $32!4^7\#5$?

(a) 58

(b) 61

(c) 64

(d) 55

RRB NTPC 16.04.2016 Shift : III

Ans. (b) : Given,

$$32!4^7\#5 = ?$$

On changing the symbols,

$$= 32 \div 4 \times 7 + 5$$

$$\Rightarrow \frac{32}{4} \times 7 + 5$$

$$\Rightarrow 8 \times 7 + 5$$

$$\Rightarrow 56 + 5$$

$$\Rightarrow 61$$

Type - 4 : Problems Based on Interchange of Digits/Numbers and Mathematical Symbols

104. From the given options, which two numbers should be interchanged so that the value of Y becomes 29 ?

$$6 \times 4 - 5 + 9 \div 3 = Y$$

(a) 5 and 3

(b) 4 and 5

(c) 6 and 9

(d) 9 and 3

RRB NTPC (Stage-II) -12/06/2022 Shift-I

Ans. (b) : From option (b) on interchanging 4 and 5,

$$6 \times 4 - 5 + 9 \div 3 = Y \quad (\text{Given})$$

$$6 \times 5 - 4 + 9 \div 3 = Y \quad (\text{Interchanging numbers})$$

$$30 - 4 + 3 = y$$

$$33 - 4 = y$$

$$29 = Y$$

105. Which two signs and numbers need to be interchanged to make the following equation correct?

$$2 + 8 \div 5 \times 4 - 6 = 3$$

(a) \div , \times & 2, 5

(b) \div , + & 8, 5

(c) +, - & 6, 8

(d) \div , - & 2, 6

RRB NTPC (Stage-II) -13/06/2022 (Shift-I)

Ans. (a) : The given equation-

$$2 + 8 \div 5 \times 4 - 6 = 3$$

On changing the signs and numbers according to the option (a)-

$$5 + 8 \times 2 \div 4 - 6 = 3$$

$$5 + 4 - 6 = 3$$

$$3 = 3$$

$$\text{LHS} = \text{RHS}$$

106. Which two signs should be interchanged to make the equation correct?

$$12 \times 3 \div 4 + 6 - 2 = 20$$

(a) \div and +

(b) + and -

(c) \times and +

(d) \times and \div

RRB NTPC (Stage-II) -14/06/2022 (Shift-I)

Ans. (d) : Given,

$$12 \times 3 \div 4 + 6 - 2 = 20$$

On interchanging the signs \times and \div from option (d),

$$12 \div 3 \times 4 + 6 - 2 = 20$$

$$\Rightarrow 4 \times 4 + 6 - 2 = 20$$

$$\Rightarrow 20 = 20$$

$$\Rightarrow \text{L.H.S} = \text{R.H.S}$$

107. Interchanging which two sign will make the following equation $5 \times 45 - 15 + 31 \div 41 = 5$?

(a) \div and -

(b) \times and +

(c) \div and \times

(d) \times and -

RRB NTPC 28.04.2016 Shift : II

Ans. (a) : Given,

$$5 \times 45 - 15 + 31 \div 41 = 5$$

On interchanging the symbols from option (a),

$$5 \times 45 \div 15 + 31 - 41 = 5$$

$$15 + 31 - 41 = 5$$

$$5 = 5 \quad (\text{LHS} = \text{RHS})$$



108. If "+" and "÷" signs as well as "2" and "4" are interchanged, then which of the one following is correct?

- (a) $4 + 2 \div 6 = 1.5$ (b) $2 + 4 \div 6 = 8$
(c) $2 + 4 \div 3 = 3$ (d) $4 + 2 \div 3 = 4$

RRB NTPC 18.04.2016 Shift : 1

Ans. (b) In all the options + and '÷' and the numbers 2 and 4 mutually change

From option (a),

$$4 + 2 \div 6 = 1.5$$

$$= 2 \div 4 + 6 = \frac{1}{2} + 6 = 13/2 = 6.5 \text{ (False)}$$

From option (b) $2 + 4 \div 6 = 8$

$$= 4 \div 2 + 6 = 2 + 6 = 8 \text{ (True)}$$

Hence option (b) is correct.

109. Interchanging which two sign will make the following equation correct

$$5 \times 15 \div 7 - 20 + 4 = 77$$

- (a) - and + (b) × and ÷
(c) + and ÷ (d) + and ×

RRB NTPC 30.04.2016 Shift : 3

Ans. (c) : Given,

$$5 \times 15 \div 7 - 20 + 4 = 77$$

On interchanging the signs from option (c),

$$5 \times 15 + 7 - 20 \div 4 = 77$$

$$5 \times 15 + 7 - 5 = 77$$

$$75 + 7 - 5 = 77$$

$$77 = 77$$

Hence, option (c) is correct.

110. Interchanging which two sign will make the following equation correct

$$63 \div 7 + 5 \times 3 - 46 = 2$$

- (a) ÷ And - (b) × And +
(c) ÷ And × (d) × And -

RRB NTPC 28.04.2016 Shift : 3

Ans. (b) : Given,

$$63 \div 7 + 5 \times 3 - 46 = 2$$

On interchanging the signs from option (b),

$$\Rightarrow 63 \div 7 \times 5 + 3 - 46 = 2$$

$$\Rightarrow 9 \times 5 + 3 - 46 = 2$$

$$\Rightarrow 48 - 46 = 2$$

$$\Rightarrow 2 = 2$$

$$\Rightarrow \text{L.H.S.} = \text{R.H.S.}$$

Hence option (b) is correct answer.

111. Interchanging which two sign will make the following equation correct

$$5 \times 36 - 9 + 31 \div 41 = 10$$

- (a) ÷ And - (b) × And +
(c) ÷ And × (d) × And -

RRB NTPC 28.04.2016 Shift : III

Ans. (a) Given,

$$5 \times 36 - 9 + 31 \div 41 = 10 \text{ (Basic equation)}$$

On interchanging the signs from option (a),

$$5 \times 36 \div 9 + 31 - 41 = 10$$

$$\Rightarrow 5 \times 4 - 10 = 10$$

$$\Rightarrow 10 = 10$$

$$\text{L.H.S.} = \text{R.H.S.}$$

Hence option (a) is correct answer.

112. Interchanging which two sign will make the following equation correct

$$72 \div 9 + 5 \times 3 - 2 = 41$$

- (a) ÷ And - (b) × And +
(c) ÷ And × (d) × And -

RRB NTPC 28.04.2016 Shift : II

Ans. (b) : Given,

$$72 \div 9 + 5 \times 3 - 2 = 41$$

From option (b),

When × and + are interchanged.

$$72 \div 9 \times 5 + 3 - 2 = 41$$

$$8 \times 5 + 3 - 2 = 41$$

$$43 - 2 = 41$$

$$41 = 41$$

$$\text{LHS} = \text{RHS}$$

113. Interchanging which two sign will make the following equation correct

$$15 \div 9 \times 3 - 74 + 2 = 5$$

- (a) + and - (b) ÷ and ×
(c) + and ÷ (d) - and ÷

RRB NTPC 26.04.2016 Shift : 3

Ans. (c) : Given,

$$15 \div 9 \times 3 - 74 + 2 = 5 \text{ (Basic equation)}$$

On interchanging + and ÷ from option (c),

$$15 + 9 \times 3 - 74 \div 2 = 5$$

$$15 + 9 \times 3 - 37 = 5$$

$$15 + 27 - 37 = 5$$

$$42 - 37 = 5$$

$$5 = 5$$

114. Interchanging which two signs will make the following equation correct?

$$16 + 4 \div 2 - 21 \times 7 = 21$$

- (a) + and × (b) + and ×
(c) - and ÷ (d) × and ÷

RRB NTPC 26.04.2016 Shift : III

Ans. (d) : Given,

$$16 + 4 \div 2 - 21 \times 7 = 21$$

On interchanging × and ÷ signs from option (d),

$$16 + 4 \times 2 - 21 \div 7 = 21$$

$$16 + 4 \times 2 - 3 = 21$$

$$16 + 8 - 3 = 21$$

$$21 = 21$$

115. Interchanging which two sign will make the following equation correct

$$42 \div 4 + 2 - 3 \times 5 = 29$$

- (a) + and × (b) + and -
(c) - and × (d) ÷ and +

RRB NTPC 26.04.2016 Shift : II



Ans. (d) : Given,

$$42 \div 4 + 2 - 3 \times 5 = 29$$

On solving by interchanging \div and $+$ from option (d),

$$42 + 4 \div 2 - 3 \times 5 = 29$$

$$42 + 2 - 3 \times 5 = 29$$

$$42 + 2 - 15 = 29$$

$$44 - 15 = 29$$

$$29 = 29$$

116. If "-" and "+" signs as well as "x" and "÷" are interchanged, then which of the value is $27 - 15 \div 84 \times 6 + 13$?

(a) 43 (b) 260

(c) -170 (d) 224

RRB NTPC 26.04.2016 Shift : I

Ans. (d) : Given,

$$27 - 15 \div 84 \times 6 + 13$$

On interchanging the mathematical symbols,

$$\Rightarrow 27 + 15 \times 84 \div 6 - 13$$

$$\Rightarrow 27 + 15 \times 14 - 13$$

$$\Rightarrow 27 + 210 - 13$$

$$\Rightarrow 237 - 13$$

$$\Rightarrow 224$$

117. If sign "+" as well as "÷" and "1" and "4" are interchanged, then which of the following is correct?

(a) $3 + 4 \div 2 = 1$ (b) $6 + 1 \div 4 = 2$

(c) $6 + 2 \div 4 = 1$ (d) $5 \div 2 + 4 = 1$

RRB NTPC 22.04.2016 Shift : III

Ans. (c) : From option (c),

$$6 + 2 \div 4 = 1$$

On interchanging the signs and numbers,

$$= 6 \div 2 + 1 = 4$$

$$= 3 + 1 = 4$$

$$\Rightarrow 4 = 4$$

118. If "-" and "x" signs as well as "4" and "3" are interchanged, then which of the value is $2 + 9 \div 4 - 3 \times 1$?

(a) 11 (b) 13

(c) 15 (d) 17

RRB NTPC 22.04.2016 Shift : III

Ans. (b) : Given,

$$2 + 9 \div 4 - 3 \times 1$$

On interchanging the symbol and number according to the question,

$$= 2 + 9 \div 3 \times 4 - 1$$

$$= 2 + 3 \times 4 - 1$$

$$= 2 + 12 - 1$$

$$= 14 - 1 = 13$$

119. If "-" and "x" signs as well as "7" and "3" are interchanged, then which one of the following is correct?

(a) $20 \times 1 - 7 = 3$ (b) $1 \times 20 - 7 = 20$

(c) $3 - 7 \times 1 = 20$ (d) $20 - 3 \times 1 = 7$

RRB NTPC 22.04.2016 Shift : II

Ans. (c) On interchanging the signs and numbers according to the options,

(a) $20 \times 1 - 7 = 3$

On interchanging the digits and signs,

$$20 - 1 \times 3 = 7$$

$$19 \times 3 \neq 7$$

(b) $1 \times 20 - 7 = 20$

On interchanging the digits and sign,

$$1 - 20 \times 3 = 20$$

$$- 59 \neq 20$$

(c) $3 - 7 \times 1 = 20$

On interchanging the digits and signs,

$$7 \times 3 - 1 = 20$$

$$21 - 1 = 20$$

$$20 = 20$$

$$\text{L.H.S.} = \text{R.H.S.}$$

Hence, option (c) is correct.

120. Interchanging which two signs will make the following equation correct?

$$15 + 3 \times 9 - 4 \div 16 = 57$$

(a) $-$ and $+$ (b) $-$ and \div

(c) $-$ and \times (d) $+$ and \div

RRB NTPC 22.04.2016 Shift : II

Ans. (d) : Given,

$$15 + 3 \times 9 - 4 \div 16 = 57$$

On interchanging the signs from option (a)-

$$15 - 3 \times 9 + 4 \div 16 = 57$$

$$15 - 3 \times 9 + \frac{1}{4} = 57$$

$$15 - 27 + \frac{1}{4} = 57$$

$$- 12 + \frac{1}{4} \neq 57$$

From option (b) $- 15 + 3 \times 9 \div 4 - 16 = 57$

$$15 + 3 \times \frac{9}{4} - 16 = 57$$

$$15 + \frac{27}{4} - 16 = 57$$

$$- 1 + \frac{27}{4} \neq 57$$

From option (c) $- 15 + 3 - 9 \times 4 \div 16 = 57$

$$15 + 3 - 9 \times \frac{1}{4} = 57$$

$$18 - \frac{9}{4} \neq 57$$

From option (d) $- 15 \div 3 \times 9 - 4 + 16 = 57$

$$5 \times 9 - 4 + 16 = 57$$

$$45 + 12 = 57$$

$$57 = 57$$



121. If signs $-$ and \times , and numbers 5 and 14 are interchanged, then the value of $5 + 4 \div 2 - 8 \times 14$ is.
- (a) 15 (b) 20
(c) 25 (d) 30

RRB NTPC 22.04.2016 Shift : II

Ans. (c) : Given,

$$5 + 4 \div 2 - 8 \times 14$$

On interchanging symbols $-$ and \times and the number 5 and 14,

$$14 + 4 \div 2 \times 8 - 5$$

From BODMAS rules—

$$\Rightarrow 14 + 2 \times 8 - 5$$

$$\Rightarrow 14 + 16 - 5$$

$$\Rightarrow 30 - 5$$

$$\Rightarrow 25$$

122. In the following equation, if the mathematical operators ' $-$ ' and ' \times ' are interchanged then the value of $4 - 6 + 1 \times 15 \div 3$.
- (a) 24 (b) 20
(c) -5 (d) -4

RRB NTPC 06.04.2016 Shift : II

Ans. (b) : Given,

$$4 - 6 + 1 \times 15 \div 3 = ?$$

On interchanging the symbols,

$$= 4 \times 6 + 1 - 15 \div 3$$

$$= 4 \times 6 + 1 - 5$$

$$= 24 + 1 - 5$$

$$= 25 - 5$$

$$= 20$$

123. Interchanging which two signs will make the following equation correct?
- $$3.5 + 4 \times 7 - 8 \div 1 = 6$$
- (a) \times and $-$ (b) $+$ and \div
(c) $-$ and $+$ (d) \div and $-$

RRB NTPC 07.04.2016 Shift : II

Ans. (d) : Given equation,

$$3.5 + 4 \times 7 - 8 \div 1 = 6$$

On interchanging the signs from options,

On taking option (a)

$$3.5 + 4 - 7 \times 8 \div 1 = 6$$

$$= -48.5 \neq 6$$

On taking option (b),

$$3.5 \div 4 \times 7 - 8 + 1 = 6$$

$$\Rightarrow \frac{3.5}{4} \times 7 - 7 = 6$$

$$\Rightarrow \frac{24.5 - 28}{4} = 6$$

$$\Rightarrow -\frac{3.5}{4} \neq 6$$

On taking option (c),

$$3.5 - 4 \times 7 + 8 \div 1 = 6$$

$$\Rightarrow 11.5 - 28 = 6$$

$$\Rightarrow -16.5 \neq 6$$

On taking option (d),

$$3.5 + 4 \times 7 \div 8 - 1 = 6$$

$$\Rightarrow 3.5 + 3.5 - 1 = 6$$

$$\Rightarrow 7 - 1 = 6$$

$$\Rightarrow \boxed{6=6}$$

Hence option (d) is correct.

124. Which one of the following interchanges in signs and numbers would make the given equation correct?

$$3 + 5 - 2 = 4$$

$$(a) + \text{ And } -, 2 \text{ And } 5$$

$$(b) + \text{ And } -, 3 \text{ And } 4$$

$$(c) + \text{ And } -, 2 \text{ And } 4$$

$$(d) + \text{ And } -, 3 \text{ And } 5$$

RRB NTPC 16.04.2016 Shift : III

Ans. (d) : Given,

$$3 + 5 - 2 = 4$$

You can correct the given equation by changing the given symbols and number,

From option (d),

$$\Rightarrow 5 - 3 + 2 = 4$$

$$\Rightarrow 2 + 2 = 4$$

$$\Rightarrow 4 = 4$$

125. Which one of the following interchanges in signs would make the given equation correct—
- $$16 - 24 \times 2 \div 10 + 104 = 0$$

$$(a) \div \text{ And } \times$$

$$(b) + \text{ And } \times$$

$$(c) - \text{ And } +$$

$$(d) \div \text{ And } -$$

RRB NTPC 18.01.2017 Shift : 1

Ans. (a) From option (a),

$$16 - 24 \times 2 \div 10 + 104$$

On interchanging the symbols,

$$= 16 - 24 \div 2 \times 10 + 104$$

$$= 16 - 12 \times 10 + 104$$

$$= 16 - 120 + 104$$

$$= 120 - 120$$

$$= 0 \quad (\text{LHS} = \text{RHS})$$

126. Which one of the following interchanges in signs would make the given equation correct—
- $$3 + 2 \times 6 - 4 \div 5 = 10$$

$$(a) + \text{ and } \times$$

$$(b) + \text{ and } -$$

$$(c) \times \text{ and } \div$$

$$(d) \div \text{ and } +$$

RRB NTPC 28.03.2016 Shift : III

Ans. (d) : Given,

$$3 + 2 \times 6 - 4 \div 5 = 10$$

On exchanging \div and $+$ symbols,

From option (d)

$$3 \div 2 \times 6 - 4 + 5 = 10$$

$$\frac{3}{2} \times 6 - 4 + 5 = 10$$

$$10 = 10$$

127. Which one of the following interchanges in signs would make the given equation correct—
- $$7 - 11 + 1 \times 5 \div 50 = 2$$

$$(a) - \text{ and } +$$

$$(b) - \text{ and } \div$$

$$(c) + \text{ and } \div$$

$$(d) \times \text{ and } +$$

RRB NTPC 30.03.2016 Shift : II



Ans. (c) : Given,

$$7 - 11 + 1 \times 5 \div 50 = 2$$

On interchanging the symbols from option (c),

$$7 - 11 \div 1 \times 5 + 50 = 2$$

$$7 - 11 \times 5 + 50 = 2$$

$$7 - 55 + 50 = 2$$

$$2 = 2$$

128. Which signs should be interchanged if the equation below needs to be true?

$$1.5 + 8 \times 9 - 16 \div 2 = 4$$

(a) \times And $-$ (b) \div And $-$

(c) $+$ And \div (d) $-$ And $+$

RRB NTPC 30.03.2016 Shift : I

Ans. (b) : Given,

$$1.5 + 8 \times 9 - 16 \div 2 = 4$$

On interchanging the symbol according to the option (b),

$$1.5 + 8 \times 9 \div 16 - 2 = 4$$

$$1.5 + \frac{9}{2} - 2 = 4$$

$$1.5 + 4.5 - 2 = 4$$

$$4 = 4$$

129. In the following equation, if the mathematical operators '+' and '÷', 5 and 2 are interchanged then the value of the equation-

$$5 - 11 + 1 \times 5 \div 20 = ?$$

(a) 2 (b) 0

(c) -22 (d) -26

RRB NTPC 31.03.2016 Shift : I

Ans. (b) : Given,

$$5 - 11 + 1 \times 5 \div 20$$

On interchanging the numbers and signs,

$$= 2 - 11 \div 1 \times 2 + 20$$

$$= 2 - 11 \times 2 + 20$$

$$= 22 - 22 = 0$$

130. If signs + and \times , are interchanged, then the value of-

$$9 \div 5 + 10 - 23 \times 2?$$

(a) 3 (b) 2

(c) -3 (d) -5

RRB NTPC 03.04.2016 Shift : I

Ans. (c) : Given,

$$9 \div 5 + 10 - 23 \times 2$$

On interchanging the symbols according to the question,

$$= 9 \div 5 \times 10 - 23 + 2$$

$$= \frac{9}{5} \times 10 - 23 + 2$$

$$= 18 - 23 + 2 = 20 - 23 = -3$$

131. If signs \div and +, are interchanged, then the value of-

$$35 - 10 + 1 \times 5 \div 15?$$

(a) 15 (b) 0

(c) -15 (d) 1

RRB NTPC 05.04.2016 Shift : II

Ans. (b) : Given,

$$35 - 10 + 1 \times 5 \div 15$$

On interchanging symbols \div and +,

$$= 35 - 10 \div 1 \times 5 + 15$$

$$= 35 - 10 \times 5 + 15$$

$$= 35 - 50 + 15 = 0$$

132. Which signs should be interchanged if the equation below needs to be true?

$$5 + 3 \times 8 - 12 \div 4 = 3$$

(a) $+$ and $-$ (b) $+$ and \div

(c) $-$ and \div (d) $-$ and \times

RRB NTPC 17.01.2017 Shift-III

Ans. (c) : Given,

$$5 + 3 \times 8 - 12 \div 4 = 3$$

From option (a),

$$5 - 3 \times 8 + 12 \div 4 = 3$$

$$\Rightarrow 5 - 3 \times 8 + 3 = 3$$

$$\Rightarrow 5 - 24 + 3 = 3$$

$$\Rightarrow 8 - 24 = 3$$

$$\Rightarrow -16 \neq 3$$

From option (b),

$$5 \div 3 \times 8 - 12 + 4 = 3$$

$$\Rightarrow \frac{5}{3} \times 8 - 12 + 4 = 3$$

$$\Rightarrow \frac{40}{3} - 12 + 4 = 3$$

$$\Rightarrow \frac{40 + 12 - 36}{3} = 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{40 + 12 - 36}{3} = 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

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$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

132. Which signs should be interchanged if the equation below needs to be true?

$$5 + 3 \times 8 - 12 \div 4 = 3$$

(a) $+$ and $-$ (b) $+$ and \div

(c) $-$ and \div (d) $-$ and \times

RRB NTPC 17.01.2017 Shift-III

Ans. (c) : Given,

$$5 + 3 \times 8 - 12 \div 4 = 3$$

From option (a),

$$5 - 3 \times 8 + 12 \div 4 = 3$$

$$\Rightarrow 5 - 3 \times 8 + 3 = 3$$

$$\Rightarrow 5 - 24 + 3 = 3$$

$$\Rightarrow 8 - 24 = 3$$

$$\Rightarrow -16 \neq 3$$

From option (b),

$$5 \div 3 \times 8 - 12 + 4 = 3$$

$$\Rightarrow \frac{5}{3} \times 8 - 12 + 4 = 3$$

$$\Rightarrow \frac{40}{3} - 12 + 4 = 3$$

$$\Rightarrow \frac{40 + 12 - 36}{3} = 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

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$$\Rightarrow \frac{16}{3} \neq 3$$

132. Which signs should be interchanged if the equation below needs to be true?

$$5 + 3 \times 8 - 12 \div 4 = 3$$

(a) $+$ and $-$ (b) $+$ and \div

(c) $-$ and \div (d) $-$ and \times

RRB NTPC 17.01.2017 Shift-III

Ans. (c) : Given,

$$5 + 3 \times 8 - 12 \div 4 = 3$$

From option (a),

$$5 - 3 \times 8 + 12 \div 4 = 3$$

$$\Rightarrow 5 - 3 \times 8 + 3 = 3$$

$$\Rightarrow 5 - 24 + 3 = 3$$

$$\Rightarrow 8 - 24 = 3$$

$$\Rightarrow -16 \neq 3$$

From option (b),

$$5 \div 3 \times 8 - 12 + 4 = 3$$

$$\Rightarrow \frac{5}{3} \times 8 - 12 + 4 = 3$$

$$\Rightarrow \frac{40}{3} - 12 + 4 = 3$$

$$\Rightarrow \frac{40 + 12 - 36}{3} = 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

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$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$

$$\Rightarrow \frac{16}{3} \neq 3$$



Ans. (d) From option (c),

$$(a) 4 \div 2 + 3 \xrightarrow{\text{Interchanged}} 2 + 4 \div 3 = 2\frac{4}{3} \neq 6$$

$$(b) 2 + 4 \div 3 \xrightarrow{\text{Interchanged}} 4 \div 2 + 3 = 5 \neq 3$$

$$(c) 4 + 2 \div 6 \xrightarrow{\text{Interchanged}} 2 \div 4 + 6 = 6 + \frac{1}{2} = 6\frac{1}{2} \neq 1.5$$

$$(d) 2 + 4 \div 6 \xrightarrow{\text{Interchanged}} 4 \div 2 + 6 = 2 + 6 \Rightarrow 8 = 8$$

(LHS = RHS)

Hence, option (d) is the correct answer.

135. Which two signs (mathematical operators) should be interchanged to make the given equation correct?

$$56 - 8 + 42 \div 6 \times 5 = 19$$

(a) + and ÷ (b) + and -

(c) - and × (d) ÷ and -

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to option (d) on interchanging the sign of the question,

$$\Rightarrow 56 \div 8 + 42 - 6 \times 5 = 19$$

$$\Rightarrow 7 + 42 - 30 = 19$$

$$\Rightarrow 49 - 30 = 19$$

$$\Rightarrow 19 = 19$$

$$\text{L.H.S.} = \text{R.H.S.}$$

Hence, option (d) is correct.

136. Which of the two signs in the given options, if interchanged, would not impact the correctness of the following equation?

$$3 \times 5 + 3 - 18 \div 3 = 12$$

(a) × and - (b) × and ÷

(c) × and + (d) ÷ and +

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (c) : Given,

$$3 \times 5 + 3 - 18 \div 3 = 12$$

On interchanging signs in the equation on the basis of option (c),

$$3 + 5 \times 3 - 18 \div 3 = 12$$

$$3 + 15 - 6 = 12$$

$$12 = 12$$

137. Which two signs need to be interchanged to make the following equation correct?

$$9 + 3 - 15 \times 5 \div 8 = 2$$

(a) -, ÷ (b) ×, +

(c) +, - (d) ×, ÷

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (a) : On interchanging the signs of equation according to option (a),

$$9 + 3 \div 15 \times 5 - 8 = 2$$

$$9 + \frac{3}{15} \times 5 - 8 = 2$$

$$9 + 1 - 8 = 2$$

$$10 - 8 = 2$$

$$2 = 2$$

$$\text{L.H.S.} = \text{R.H.S.}$$

Hence option (a) will be correct answer.

138. If '×' is interchanged with '÷' and '6' is interchanged with '9', then which of the following equations will be correct?

$$(a) 96 \times 3 \div 69 = 2207 \quad (b) 69 \times 12 \div 96 = 552$$

$$(c) 96 \times 3 \div 25 = 576 \quad (d) 69 \times 9 \div 46 = 736$$

RRB NTPC 27.03.2021 (Shift-II) Stage Ist

Ans. (b) : According to question,

$$\times \leftrightarrow \div$$

$$6 \leftrightarrow 9$$

From option (b)-

$$69 \times 12 \div 96 = 552$$

On interchanging the signs and numbers,

$$96 \div 12 \times 69 = 552$$

$$8 \times 69 = 552$$

$$552 = 552$$

Hence, option (b) will be correct answer.

139. If the sign + is interchanged with - and the number 9 is interchanged with 6, then which of the following four equations would be correct?

$$(a) 9 + 6 - 4 = 1 \quad (b) 6 - 9 + 7 = 1$$

$$(c) 4 - 9 + 5 = 1 \quad (d) 6 - 9 + 4 = 1$$

RRB NTPC 27.02.2021 (Shift-I) Stage Ist

Ans. (a) : From option (a), on interchanging the signs '+' and '-' and number 9 and 6,

$$6 - 9 + 4 = 1$$

$$6 - 5 = 1$$

$$1 = 1$$

$$\text{L.H.S.} = \text{R.H.S.}$$

Hence, option (a) will be required answer.

140. Which two signs are to be interchanged to make the given equation correct?

$$15 - 3 + 40 \div 5 \times 30 = 23$$

(a) - and ×

(b) + and ÷

(c) ÷ and -

(d) + and -

RRB NTPC 25.01.2021 (Shift-II) Stage Ist

Ans. (a) : Given: $15 - 3 + 40 \div 5 \times 30 = 23$

According to option (a) on interchanging the mathematical signs,

$$15 \times 3 + 40 \div 5 - 30 = 23$$

$$45 + 8 - 30 = 23$$

$$53 - 30 = 23$$

$$23 = 23$$

$$\text{L.H.S.} = \text{R.H.S.}$$

141. Complete the following mathematical equation after interchanging the signs '÷' and '-' and interchanging the number '3' and '2'.

$$5 + 9 \times 3 \div 2 - 1 = ?$$

(a) 14

(b) 20

(c) 13

(d) 15

RRB NTPC 09.03.2021 (Shift-I) Stage Ist

Ans. (b) : Given,

$$5 + 9 \times 3 \div 2 - 1 = ?$$

On interchanging the sign ÷ and - and number 3 and 2,

$$= 5 + 9 \times 2 - 3 \div 1$$

$$= 5 + 9 \times 2 - 3$$

$$= 5 + 18 - 3$$

$$= 20$$



142. After interchanging ' \div ' and ' \times ' and interchanging '2' and '1'. Which of the following equations is correct?

- (a) $3 \div 1 + 3 \times 3 - 2 = 8$
 (b) $3 \div 1 + 3 \times 3 - 2 = 6$
 (c) $3 \div 1 + 3 \times 3 - 2 = 7$
 (d) $3 \div 1 + 3 \times 3 - 2 = 5$

RRB NTPC 09.03.2021 (Shift-I) Stage Ist

Ans. (b) : From option (b),

$$3 \div 1 + 3 \times 3 - 2 = 6$$

On interchanging the sign ' \div ' and ' \times ' and number '2' and '1',

$$3 \times 2 + 3 \div 3 - 1 = 6$$

$$6 + 1 - 1 = 6$$

$$6 = 6$$

$$\text{LHS} = \text{RHS}$$

Hence, option (b) will be correct.

143. On interchanging which two signs, the given equation will become balanced ?

$$25 \div 5 + 15 - 3 \times 5 = 45$$

- (a) \div and \times (b) $+$ and $-$
 (c) $+$ and \div (d) \div and $-$

RRB NTPC 11.03.2021 (Shift-II) Stage Ist

Ans. (d) : Given,

$$25 \div 5 + 15 - 3 \times 5 = 45$$

On interchanging the signs from option (d):-

$$25 - 5 + 15 \div 3 \times 5 = 45$$

$$25 - 5 + 5 \times 5 = 45$$

$$25 - 5 + 25 = 45$$

$$20 + 25 = 45$$

$$45 = 45$$

$$\text{L. H. S} = \text{R. H. S.}$$

144. Which two signs need to be interchanged to make the following equation correct ?

$$24 + 3 \times 4 - 30 \div 10 = 12$$

- (a) \div and \times (b) \div and $-$
 (c) $+$ and $-$ (d) $+$ and \div

RRB NTPC 14.03.2021 (Shift-I) Stage Ist

Ans. (d) : Given,

$$24 + 3 \times 4 - 30 \div 10 = 12$$

On interchanging $+$ and \div According to option (d),

$$\Rightarrow 24 \div 3 \times 4 - 30 + 10 = 12$$

$$\Rightarrow 8 \times 4 - 30 + 10 = 12$$

$$\Rightarrow 32 - 30 + 10 = 12$$

$$\Rightarrow 2 + 10 = 12$$

$$\Rightarrow 12 = 12$$

145. Which of the following four change of sign and numbers can correct the given equation in the following question : $(3 \div 4) + 2 = 6$

- (a) $+$ and \times , 4 and 6 (b) \div and \times , 2 and 4
 (c) $+$ and \times , 2 and 6 (d) $+$ and \times , 2 and 4

RRB NTPC 18.04.2016 Shift : III

Ans. (d) : Given,

$$(3 \div 4) + 2 = 6$$

On changing the signs and numbers from option (d),

$$(3 \div 2) \times 4 = 6$$

$$\frac{3}{2} \times 4 = 6$$

$$6 = 6$$

Type-5 : Problems Based on the Elimination of Mathematical Symbols

146. Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

$$19 * 5 * 4 * 2 * 4 * 13$$

- (a) $+, \times, -, =, \div$ (b) $\div, +, (-), -, =$,
 (c) $-, \times, \div, +, =$ (d) $\div, \times, +, -, =$,

RRB NTPC (Stage-II) -16/06/2022 (Shift-III)

Ans. (c) : On putting the signs from option (c),

$$19 - 5 \times 4 \div 2 + 4 = 13$$

$$19 - 10 + 4 = 13$$

$$13 = 13$$

Hence option (c) is correct.

147. Select the combination of operators that when sequentially placed in the blanks of the given equation will complete the equation correctly.

$$8 _ 7 _ 6 _ 3 = 19$$

- (a) $-, \div, \times$ (b) $+, +, \times$
 (c) $-, +, \times$ (d) $-, -, \times$

RRB NTPC 04.03.2021 (Shift-I) Stage Ist

Ans. (c) : Placing the operator of option (c) in question,

$$8 - 7 + 6 \times 3 = 19$$

$$8 - 7 + 18 = 19$$

$$26 - 7 = 19$$

$$19 = 19$$

$$\text{L.H.S.} = \text{R.H.S.}$$

Hence option (c) is right answer.

148. By which of the following options, using the given symbols in the same order balance the given equation ?

$$65, 5, 25 = 190$$

- (a) $+, \times$ (b) $\times, -$
 (c) $\times, +$ (d) \div, \times

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (a) : Given,

$$65, 5, 25 = 190$$

From option (a), $(+, \times)$,

Putting the symbol in equation

$$65 + 5 \times 25 = 190$$

$$65 + 125 = 190$$

$$190 = 190$$

$$\text{L.H.S.} = \text{R.H.S.}$$

149. Select the combination of mathematical signs that when sequentially placed in the blanks of the given equation will balance the equation.

$$12 _ 3 _ 12 _ 24$$

- (a) $\div + =$ (b) $\times = -$
 (c) $\times - =$ (d) $\times \div =$

RRB NTPC 08.02.2021 (Shift-II) Stage Ist

Ans. (c) : On putting the signs from option (c),

$$(\times, -, =)$$

$$12 \times 3 - 12 = 24$$

$$36 - 12 = 24$$

$$24 = 24$$

150. Which Mathematical operation should come in place of question mark (?) in the following equation :

$$(4 ? 3) - 12 \div 4 + 2 = 11$$



- (a) \div (b) $+$
(c) $-$ (d) \times

RRB NTPC 11.03.2021 (Shift-II) Stage Ist

Ans. (d) : From question,
 $(4?3) - 12 \div 4 + 2 = 11$
 $(4?3) - 3 + 2 = 11$
 $(4?3) = 12$
 $4 \times 3 = 12$ (from option 'd')
 Hence, $[?] = \times$

151. Choose the correct option from the following option to replace with a mathematical symbol '+' , ' \div ' and ' $-$ ' find the value $12 * 3 * 2 * 6$?

- (a) $+$ \div $=$ (b) \div $+$ $=$
(c) \div $=$ $+$ (d) $+$ $=$ \div

RRB NTPC 05.04.2016 Shift-I

Ans. (b) : Given, $12 * 3 * 2 * 6 = ?$
 On putting the signs from option (b),
 $= 12 \div 3 + 2 = 6$
 $= 4 + 2 = 6$
 $6 = 6$ (LHS = RHS)

152. Correct the mathematical symbols from the given alternatives change the sign by choosing the combination and get a balanced equation- $25 * 5 * 35 * 20 * 2$?

- (a) $= \times \div +$ (b) $+$ $= \times \div$
(c) \div $+$ $= \times$ (d) $\times \div$ $+$ $=$

RRB NTPC 17.01.2017 Shift-II

Ans. (c) : Given,
 $25 * 5 * 35 * 20 * 2$
 According to the option (a),
 $25 = 5 \times 35 \div 20 + 2$
 $25 = 5 \times \frac{35}{20} + 2$
 $25 = \frac{35}{4} + 2$
 Left side \neq Right side
 From option (b),
 $25 + 5 = 35 \times 20 \div 2 \Rightarrow 30 = 350$
 Left side \neq Right side
 From option (c),
 $25 \div 5 + 35 = 20 \times 2 \Rightarrow 40 = 40$
 Left side = Right side
 Hence, option (c) is correct.

153. Select the correct set of symbols that corresponds to the given equation. $5 \ 0 \ 3 \ 5 = 20$

- (a) $+$, $-$, $+$ (b) \times , $+$, \times
(c) $-$, $+$, \times (d) \times , \times , \times

RRB NTPC 18.04.2016 Shift : I

Ans. (c) : From option (c),
 The correct group corresponding to the given equation is the following,
 $5 - 0 + 3 \times 5 = 20$
 $20 = 20$ (LHS = RHS)

154. Correct the mathematical symbols from the given alternatives change the sign by choosing the combination and get a balanced equation- $14 \# 9 \# 3 \# 19 \# 6$?

- (a) $+$ $=$ $+$ $-$ (b) $+$ \times $=$ $+$
(c) $-$ \div $+$ $=$ (d) $=$ \times $-$ $+$

RRB NTPC 18.01.2017 Shift : 1

Ans. (d) : Given equation,
 $14 \# 9 \# 3 \# 19 \# 6$
 On putting the value of all signs from option (d),
 $14 = 9 \times 3 - 19 + 6$
 $14 = 27 - 19 + 6$
 $14 = 33 - 19$
 $14 = 14$
 L.H.S. = R.H.S.

155. Select the correct set of symbols $63 \ 7 \ 5 \ 4 = 49$

- (a) \times , $-$, \div (b) $+$, \div , $-$
(c) $+$, $-$, \div (d) \div , \times , $+$

RRB NTPC 10.04.2016 Shift : III

Ans. (d) : Given,
 $63 \ 7 \ 5 \ 4 = 49$
 From option (a),
 $63 \times 7 - 5 \div 4 = 49$
 $\Rightarrow 441 - \frac{5}{4} = 49$
 $\Rightarrow \frac{1764 - 5}{4} = 49 = \frac{1759}{4} \neq 49$
 From option (b),
 $63 + 7 \div 5 - 4 = 49$
 $\Rightarrow 63 + \frac{7}{5} - 4 = 49$
 $\Rightarrow \frac{315 + 7 - 20}{5} = 49 \Rightarrow \frac{302}{5} \neq 49$
 From option (c),
 $63 + 7 - 5 \div 4 = 49$
 $\Rightarrow 70 - \frac{5}{4} = 49$
 $\Rightarrow \frac{280 - 5}{4} = 49 \Rightarrow \frac{275}{4} \neq 49$
 From option (d),
 $63 \div 7 \times 5 + 4 = 49$
 $\Rightarrow 9 \times 5 + 4 = 49$
 $\Rightarrow 45 + 4 = 49$
 $\Rightarrow 49 = 49$
 Hence option (d) is correct.

156. Select the correct set of symbols $7 \ 7 \ 7 \ 7 = 14$

- (a) \times , $+$, \div (b) \div , $+$, \times
(c) $-$, \times , \div (d) $+$, \times , \div

RRB NTPC 28.03.2016 Shift : III

Ans. (d) : On putting the symbols from option (d),
 $7 \ 7 \ 7 \ 7 = 14$
 $7 + 7 \times 7 \div 7 = 14$
 $7 + 7 \times 1 = 14$
 $14 = 14$

157. What should come in place of question mark? $72 \ ? \ 8 \ ? \ 3 = 27$

- (a) $+$, \times (b) \div , \times
(c) $-$, \times (d) \times , \div

RRB NTPC 29.03.2016 Shift : II



Ans. (b) : Given,

$$72 \div 8 \times 3 = 27$$

From option (b),

$$72 \div 8 \times 3 = 27$$

$$9 \times 3 = 27$$

$$27 = 27 \text{ (LHS = RHS)}$$

158. Select the correct set of symbols

$$21 \ 9 \ 13 \ 7 = 195$$

(a) $\times, -, \div$

(b) $+, \div, -$

(c) $\div, -, \div$

(d) $\times, +, -$

RRB NTPC 02.04.2016 Shift : III

Ans. (d) : Given,

$$21 \ 9 \ 13 \ 7 = 195$$

From option (d),

$$21 \times 9 + 13 - 7 = 195$$

$$189 + 13 - 7 = 195$$

$$202 - 7 = 195$$

$$195 = 195 \text{ (LHS = RHS)}$$

159. Select the correct set of symbols

$$64 \ 4 \ 5 \ 8 = 88$$

(a) $\times, - \div$

(b) $+, \div, -$

(c) $+, -, \div$

(d) $\div, \times, +$

RRB NTPC 02.04.2016 Shift : III

Ans. (d) : Given,

$$64 \ 4 \ 5 \ 8 = 88$$

From option (d),

$$64 \div 4 \times 5 + 8 = 88$$

$$16 \times 5 + 8 = 88$$

$$80 + 8 = 88$$

$$88 = 88$$

$$\text{L.H.S.} = \text{R.H.S.}$$

160. Select the correct set of symbols?

$$44 \ 4 \ 7 \ 5 = 82$$

(a) $\times, -, \div$

(b) $+, \div, -$

(c) $+, -, \div$

(d) $\div, \times, +$

RRB NTPC 02.04.2016 Shift : II

Ans. (d) : Given, $44 \ 4 \ 7 \ 5 = 82$

From option (a),

$$44 \times 4 - 7 \div 5 = 82$$

$$176 - \frac{7}{5} \neq 82$$

From option (b),

$$44 + 4 \div 7 - 5 = 82$$

$$44 + \frac{4}{7} - 5 \neq 82$$

From option (c),

$$44 + 4 - 7 \div 5 = 82$$

$$48 - \frac{7}{5} \neq 82$$

From option (d),

$$44 \div 4 \times 7 + 5 = 82$$

$$11 \times 7 + 5 = 82$$

$$77 + 5 = 82$$

$$82 = 82$$

Hence option (d) is correct answer.

161. Select the correct set of symbols?

$$25 \ 5 \ 17 \ 9 = 133$$

(a) $\times, -, \div$

(b) $+, \div, -$

(c) $+, -, \div$

(d) $\times, +, -$

RRB NTPC 02.04.2016 Shift : I

Ans. (d) Given expression is,

$$25 \ 5 \ 17 \ 9 = 133$$

From option (d),

$$25 \times 5 + 17 - 9 = 133$$

$$125 + 8 = 133$$

$$133 = 133$$

162. Select the correct set of symbols?

$$72 \dots 6 \dots 7 \dots 7 = 91$$

(a) $\times, -, \div$

(b) $+, \div, -$

(c) $+, -, \div$

(d) $\div, \times, +$

RRB NTPC 03.04.2016 Shift : III

Ans. (d) Given expression is,

$$72 \dots 6 \dots 7 \dots 7 = 91$$

From option (d),

$$\Rightarrow 72 \div 6 \times 7 + 7 = 91$$

$$\Rightarrow 12 \times 7 + 7 = 91$$

$$\Rightarrow 84 + 7 = 91$$

$$91 = 91$$

163. Select the correct set of symbols?

$$23 \dots 7 \dots 15 \dots 8 = 168$$

(a) $\times, -, \div$

(b) $+, \div, -$

(c) $+, -, \div$

(d) $\times, +, -$

RRB NTPC 03.04.2016 Shift : III

Ans. (d) Given, $23 \dots 7 \dots 15 \dots 8 = 168$

From option (d),

$$23 \times 7 + 15 - 8 = 168$$

$$161 + 7 = 168$$

$$168 = 168 \text{ (LHS = RHS)}$$

164. Select the correct set of symbols?

$$72 \ 8 \ 5 \ 4 = 49$$

(a) $\times, -, +$

(b) $+, \div, -$

(c) $+, -, \div$

(d) $\div, \times, +$

RRB NTPC 04.04.2016 Shift : III

Ans. (d) : Given, $72 \ 8 \ 5 \ 4 = 49$

From option (d),

$$72 \div 8 \times 5 + 4 = 49$$

$$\frac{72}{8} \times 5 + 4 = 49$$

$$9 \times 5 + 4 = 49$$

$$49 = 49 \text{ (LHS = RHS)}$$

165. Choose the correct option from the following option to replace with a mathematical symbol '+' , '÷' And '-' find the value (27 # 15 # 2) #

$$10 \# 4, ?$$

(a) $+\div=-$

(b) $-+=\div$

(c) $+-\div=$

(d) $+=\div-$

RRB NTPC 05.04.2016 Shift : III

Ans. (c) : Given,

$$(27 \# 15 \# 2) \# 10 \# 4$$

From option (c),

$$(27 + 15 - 2) \div 10 = 4$$

$$40 \div 10 = 4$$

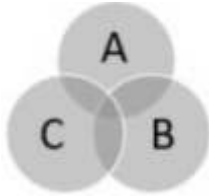
$$4 = 4$$



09.

Venn Diagram

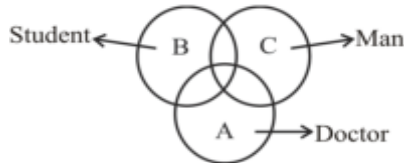
1. Select the option that is best represented by the given Venn diagram.



- (a) Doctor, Man, Student
(b) Gold, Silver, Ornaments
(c) Table, Chair, Furniture
(d) Family, Parents, Children

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (a) : From the question,

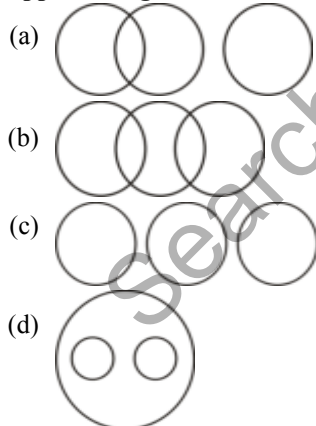


Some doctors are men, some men are student, some are student as well as man. So, It is the best representation of the Venn diagram.

Hence, option (a) will be required answer.

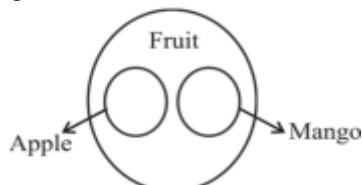
2. Select the Venn diagram that best represents the relationship between the given set of classes.

Apple, Mango, Fruits



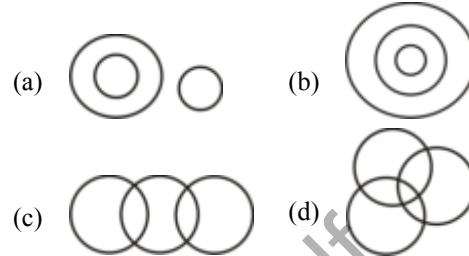
RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (d) : On drawing the Venn diagram between Apple, Mango and Fruit.



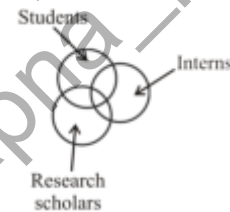
Hence, option (d) is correct.

3. Select the Venn diagram that best represent the relationship between the given set of classes.
Students, Interns and Research scholars



RRB NTPC 08.01.2021 (Shift-II) Stage Ist

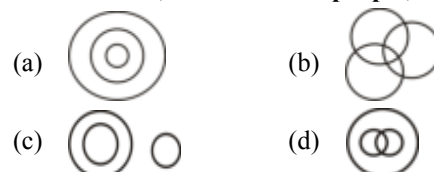
Ans. (d) : Venn diagram relationship among the given classes is as follows,



Some student can be interns and some can be researchers and some can be both. Hence, option (d) is correct.

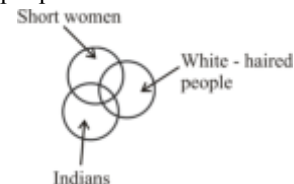
4. Select the Venn diagram that best represents the relationship between the given set of classes.

Short women, White-haired people, Indians



RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (b) : Suitable Venn diagram for Short women, White-haired people and Indians is as follows,

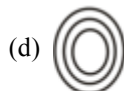


Hence, options (b) will be required answer.

5. Select the Venn diagram that best represents the relationship between the given set of classes:

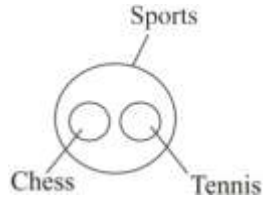
Sports, Chess, Tennis





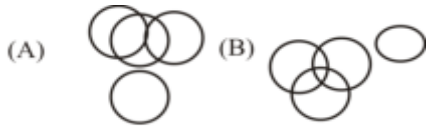
RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (b) : The Venn diagram relationship between the given classes is as follows—



Chess and Tennis both come under sports. Hence, option (b) is correct.

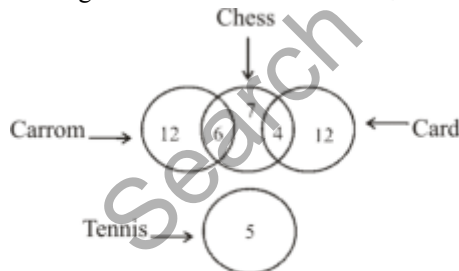
6. In a class of 46 students, 18 play carrom; 17 play chess, including 6 who play carrom; 16 play cards, including 4 who play chess, but not carrom and 5 play only tennis. Which of the following figures represents these facts?



- (a) D (b) B
(c) A (d) C

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

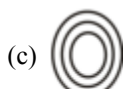
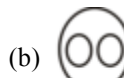
Ans. (a) : According to the question, The Venn diagram is as follows -



Hence figure (a) represent the following facts.

7. Select the Venn diagram that best represents the relationship between the given set of classes:

Australia, Sydney, Japan



RRB NTPC 10.01.2021 (Shift-I) Stage Ist

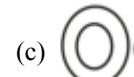
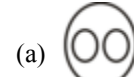
Ans. (d) : The Venn diagram relationship between the given classes is as follows—



Sydney is the largest city of Australia and Japan is other country.

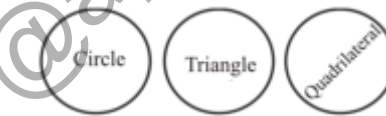
8. Select the Venn diagram that best represents the relationship between the given set of classes:

Circle, Triangle, Quadrilateral



RRB NTPC 10.01.2021 (Shift-I) Stage Ist

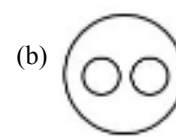
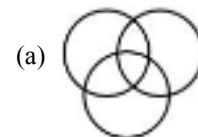
Ans. (b) : The Venn diagram relationship between the given classes is follows as –



Circle is circular, triangle has three sides and Quadrilateral has four sides. So, all are different. Hence, option (b) is correct.

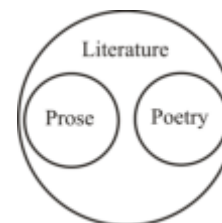
9. Select the Venn diagram from the given options that best represents the relationship between the given set of classes.

Prose, Literature and Poetry



RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (b) : The Venn diagram showing the most appropriate relationship among the given set of classes is as follows-

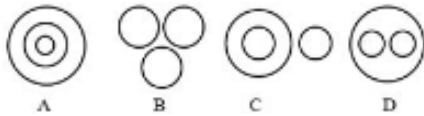


Prose and Poetry come under the Literature. Hence, option (b) is correct.



10. Select the Venn diagram that best represents the relationship between the given set of classes.

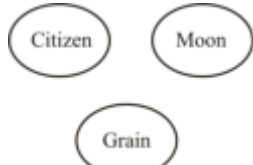
Citizens, Moon, Grains



- (a) A (b) D
(c) B (d) C

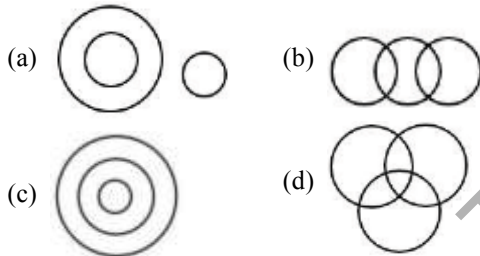
RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (c) The Venn diagram that represents the best relationship between Citizen, Moon and Grain.



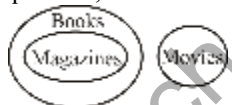
Hence, option (c) is correct.

11. Select the Venn diagram that best represents the relationship between the given set of classes
Magazines, Movies, Books



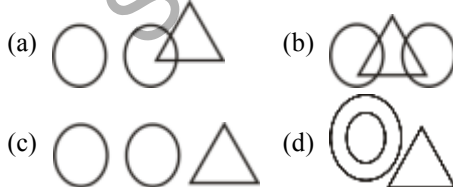
RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (a) : As per question,



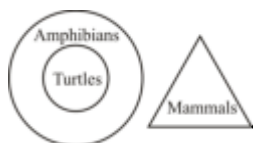
Hence, option (a) is correct answer.

12. Select the diagram that best represents the relationship between the given set of classes:
Mammals, Amphibians, Turtles



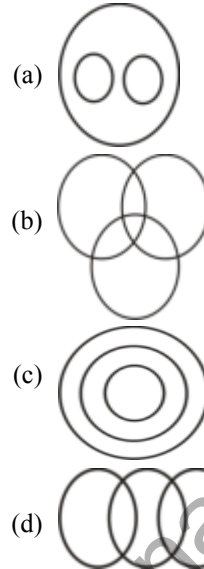
RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (d) : On drawing the Venn diagram according to the question,



Hence, option (d) is right answer.

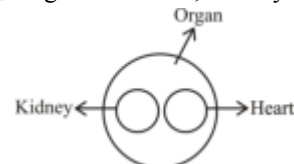
13. Select the Venn diagram that best represents the relationship between the following classes:
Kidney, Organ, Heart



RRB NTPC 11.02.2021 (Shift-I) Stage Ist

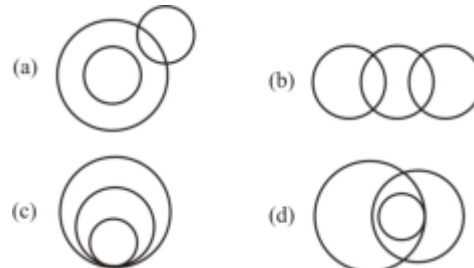
Ans. (a) : Heart and Kidney are both Organs.

Suitable Venn diagram of Heart, Kidney and Organ



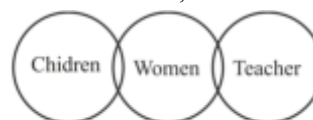
Hence, the Venn diagram given in option (a) best represents the relationship between the given classes.

14. Select the Venn diagram that best represents the relationship between Children, Women and Teachers.



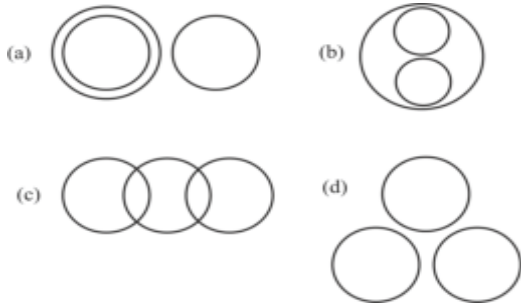
RRB NTPC 23.02.2021 (Shift-I) Stage Ist

Ans. (b) : The Venn diagram that best expresses the relationship between Women, Children and Teachers.



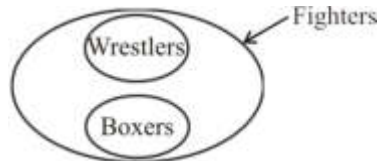
Hence, option (b) will be correct.

15. Select the Venn diagram that best represents the relationship between the given set of classes.
Wrestlers, Boxers, Fighters



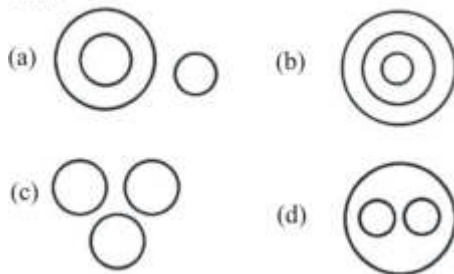
RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (b) : The Venn diagram is as follows:



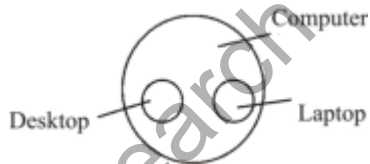
Hence, option (b) will be correct.

16. Select the Venn diagram that best represents the relationship between computers, desktop and laptops.



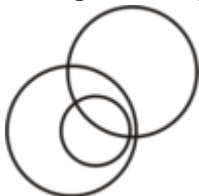
RRB NTPC 04.03.2021 (Shift-I) Stage Ist

Ans. (d) : On drawing the Venn diagram according to the question,



Option (d) shows best relationship between Computer, Desktop and Laptops.

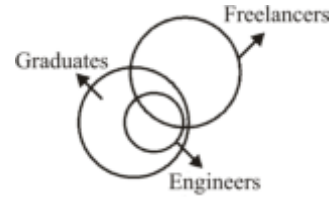
17. Select the option that correctly represents the following Venn diagram.



- (a) Engineers, Graduates, Freelancers
- (b) Engineer, Doctors, Graduates
- (c) Doctor, Surgeon, Nurse
- (d) Doctor, Freelancers, Engineers

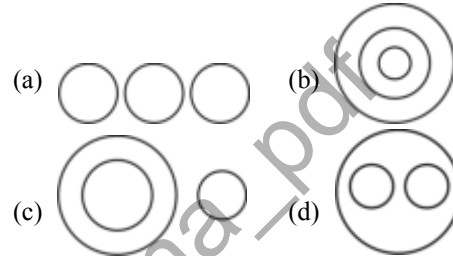
RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (a) :



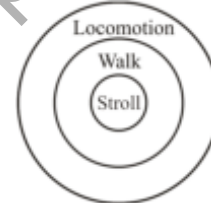
Thus the given Venn diagram shows the relationship between Engineer, Graduate and Freelancer.

18. Select the Venn diagram that best represents the relationship between the following classes: Stroll, Walk, Locomotion



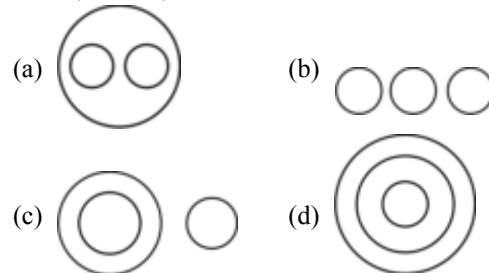
RRB NTPC 01.04.2021 (Shift-II) Stage Ist

Ans. (b) From the question,



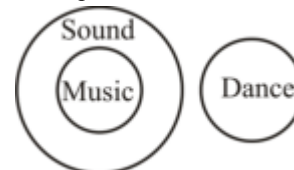
Hence, option (b) is correct.

19. Select the Venn diagram that best represents the relationship between the following classes. Music, Dance, Sound



RRB NTPC 01.04.2021 (Shift-II) Stage Ist

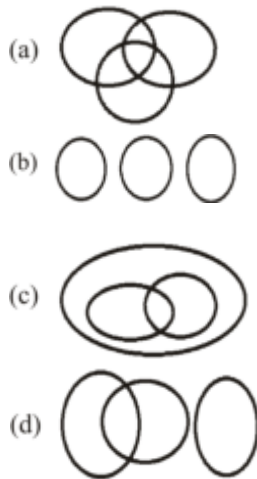
Ans. (c) : From the questions -



Hence, option (c) is correct.

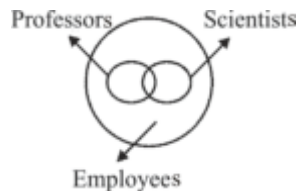
20. Which of the following Venn diagrams represents the given statements?

- Some scientists are professors.
- All scientists are employees.
- All professors are employees.



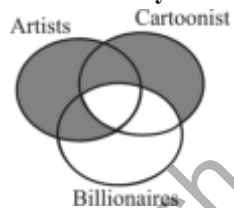
RRB NTPC 23.07.2021 (Shift-I) Stage Ist

Ans. (c) : On making Venn diagram, according to the question-



Hence, it is clear that Venn diagram of option (c) represent the given statements.

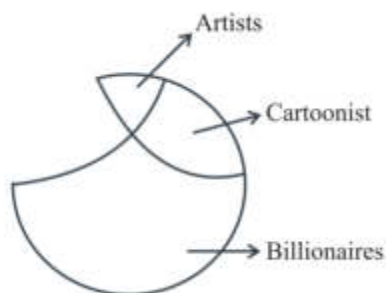
21. In the given Venn diagram, assuming that the shaded areas do not exist, determine which conclusion can be validly drawn?



- (a) All billionaires are artists
 (b) All cartoonists are artists
 (c) No artists are billionaires
 (d) All artists are cartoonists

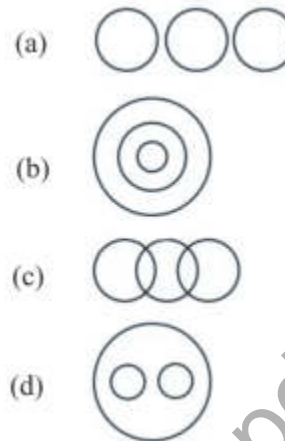
RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (d) : In given Venn diagram assuming that shaded areas do not exist.



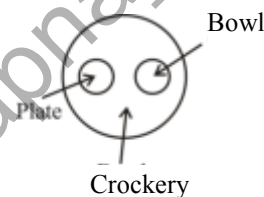
It is clear from the above diagram that the conclusion of option (d) "All artists are cartoonists" can be drawn.

22. Select the Venn diagram that best represents the relationship between the following classes.
 Crockery, Plate, Bowl



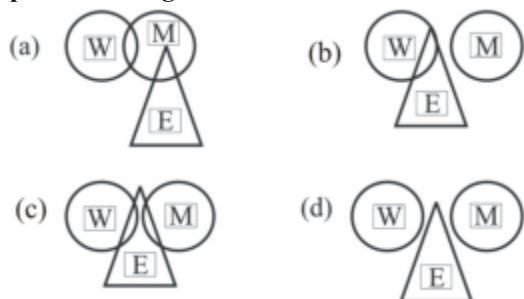
RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (d) : Plate and Bowl come under the Crockery.



Therefore, the Venn diagram of option (d) best represents the relationship between the given classes.

23. Which of the given diagrams shows the best relation between men, women, energetic, if W represents women, M represents men and E represents energetic?



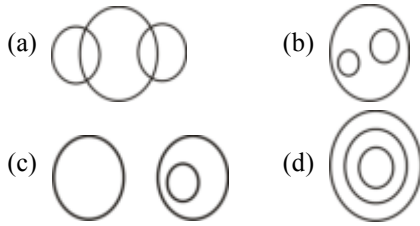
RRB NTPC 29.01.2021 (Shift-I) Stage Ist

Ans. (c) : The best relationship between men, women, and energetic will be –

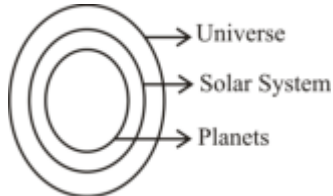


Hence, option (c) is correct.

24. Select the Venn diagram that best represents the relationship between the given set of classes.
 Solar system, Planets, Universe

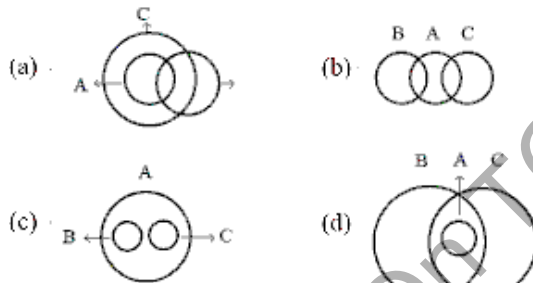


RRB NTPC 31.01.2021 (Shift-I) Stage Ist

Ans. (d) : The Venn diagram relation is as follows—

Planets are the part of Solar system and Solar system is a part of universe. Hence, option (d) is correct.

25. Which of the following diagram best depicts the relationship between A, B and C, where A means 'Colour of the leaves', B means 'Yellow coloured things' and C means 'Green coloured things'?



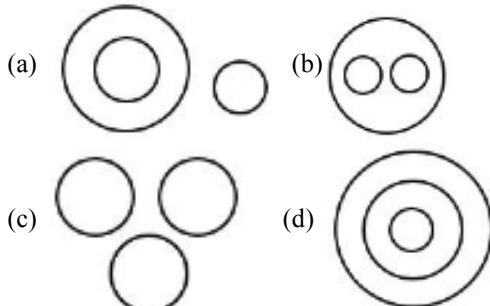
RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (b) : A means = Colour of leaves
 B means = Yellow coloured things
 C means = Green coloured things.



Hence, option (b) will be correct.

26. Which of the following Venn diagrams best depicts the relationship between the classes? Summer, Season, Cloudy



RRB NTPC 17.02.2021 (Shift-II) Stage Ist

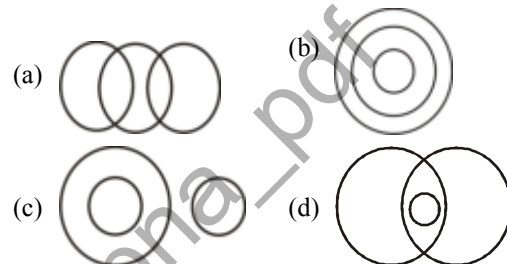
Ans. (a) : Venn diagram of Summer, Season and Cloudy is as follows,



Hence, option (a) will be correct.

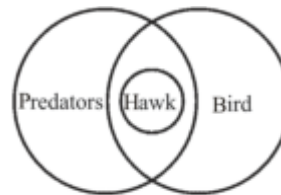
27. Select the Venn diagram that best represents the relationship between the given set of classes.

Hawk, Predator, Bird



RRB NTPC 05.03.2021 (Shift-II) Stage Ist

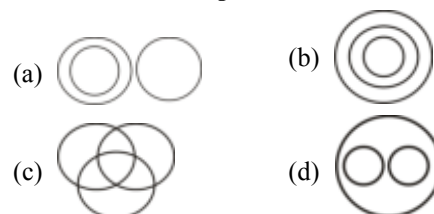
Ans. (d) : The best relationship among Hawk, Predator and Bird is as follows -



Hence, option (d) will be correct.

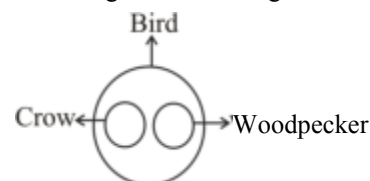
28. Select the Venn diagram that best represents the relationship among the following three classes.

Bird, Crow, Woodpecker



RRB NTPC 08.04.2021 (Shift-I) Stage Ist

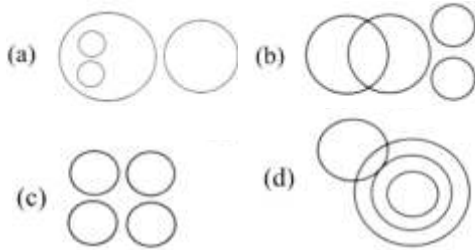
Ans. (d) : From the given Venn diagram—



Hence, the Venn diagram of option (d) is the correct answer.

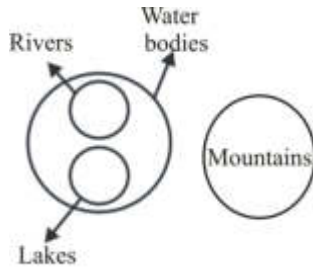


29. Select the Venn diagram that best represents the relationship between the following classes.
Rivers, Lakes, Mountains, Water bodies.



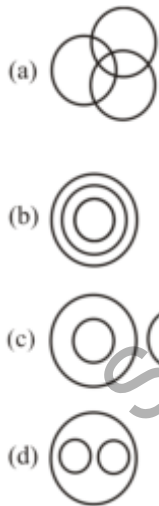
RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (a) : Lakes and Rivers comes under Water bodies whereas Mountains are different from it.



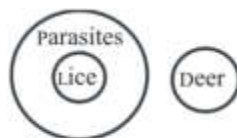
Hence, the Venn diagram of option (a) best represents the relationship between the given classes.

30. Select the Venn diagram that best depicts the relationship between the given classes.
Parasites, Lice, Deer



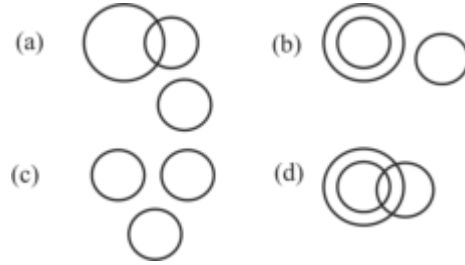
RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question the Venn diagram is as follows—



Lice comes under Parasite whereas Deer is a separate organism. Hence, option (c) will be required answer.

31. Select the Venn diagram that best represents the relationship between the following classes.
Sports, Cricket, Cockroach



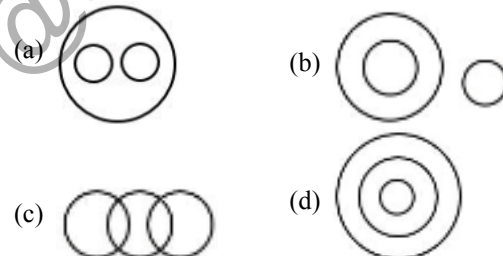
RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (b) : The Venn diagram that represents the best relation between the given classes:



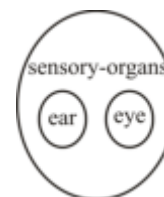
Cricket comes under the Sport, while Cockroach is a type of insect. Hence, option (b) is correct.

32. Which of the following Venn diagrams displays the proper relation of following?
Eyes, Ears, Sensory organs



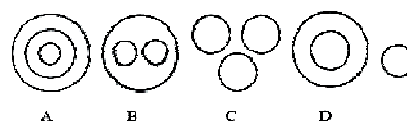
RRB NTPC 10.01.2021 (Shift-II) Stage Ist

Ans. (a) : Proper relations between Eyes, Ears and Sensory-organs



It is clear from the above Venn diagram that option (a) represents the best relationship between Eyes, Ears and Sensory-organs.

33. Select the Venn diagram that best represents the relationship between the following classes.
Wheat, Rice, Grain



- (a) A (b) C
(c) D (d) B

RRB NTPC 18.01.2021 (Shift-II) Stage Ist

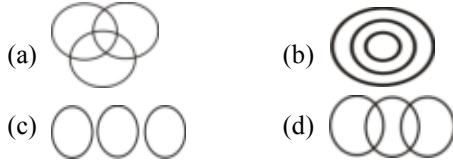


Ans. (d) : In the given Venn diagram, figure B is best represents the relationship between Wheat, Rice and Grain.



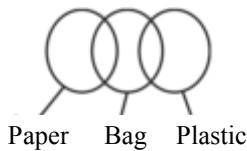
Hence, option (d) is correct.

34. Select the Venn diagram that best represents the relationship between the following classes.
Plastic, Paper, Bag



RRB NTPC 19.01.2021 (Shift-I) Stage Ist

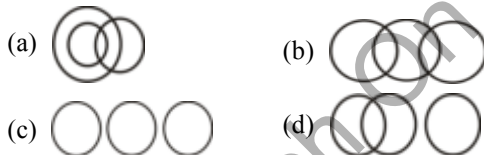
Ans. (d) : On drawing Venn diagram-



Some bag is made of plastic and some bag is made from paper.

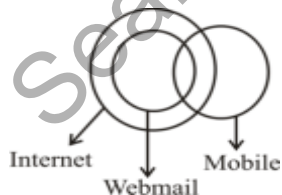
Hence, option (d) is correct.

35. Select the Venn diagram that best represents the relationship between the following classes.
Mobile phone, Internet, Webmail



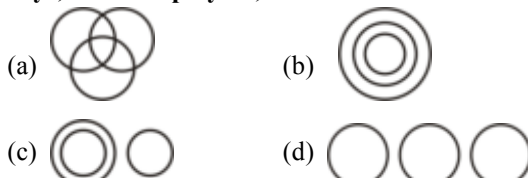
RRB NTPC 19.01.2021 (Shift-I) Stage Ist

Ans. (a) :



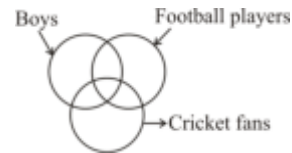
Hence, option (a) is correct.

36. Select the Venn diagram that best represents the relationship among the given set of classes.
Boys, Football players, Cricket fans



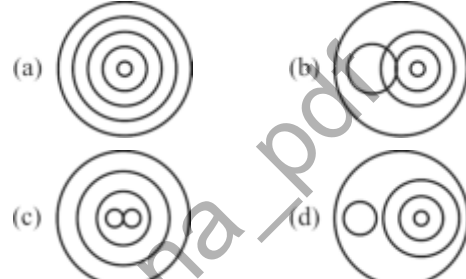
RRB NTPC 03.04.2021 (Shift-I) Stage Ist

Ans. (a) : Boys can be both football players and cricket fans.



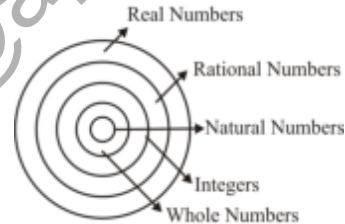
Hence, the Venn diagram of option (a) best represents the relationship between the given set of classes.

37. Select the Venn diagram that best represents the relationship between the following classes.
Real Numbers, Rational Numbers, Integers, Whole Numbers, Natural Numbers



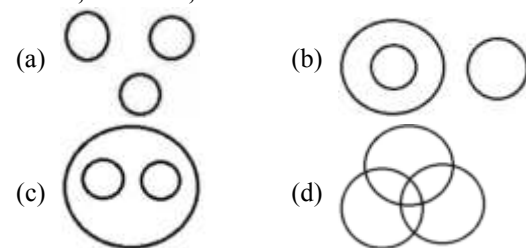
RRB NTPC 03.04.2021 (Shift-I) Stage Ist

Ans. (a) :



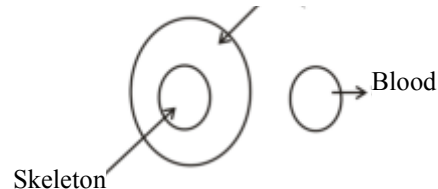
Hence, the Venn diagram of option (a) best represent the relationship between the given classes.

38. Select the Venn diagram that best represents the relationship between the given set of classes.
Blood, Skeleton, Bones



RRB NTPC 08.04.2021 (Shift-II) Stage Ist

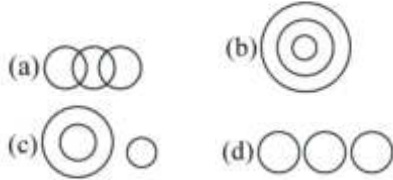
Ans. (b) : On drawing Venn diagram as per question, Bones



Option (b) depict the relationship between Bones, skeleton, Blood clearly.

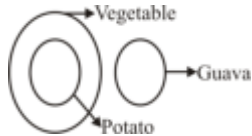


39. Select the Venn diagram that best represents the relationship between the following classes.
Guava, Potato, Vegetables



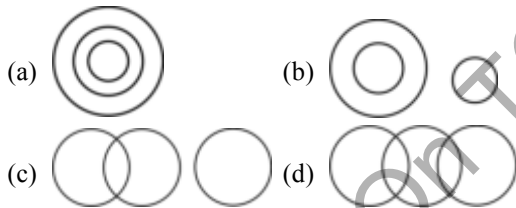
RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (c) : Potato comes under vegetables while Guava is a fruit



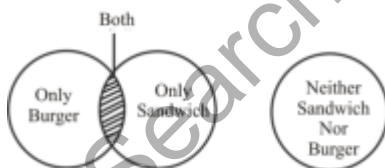
It is clear that option (c) satisfies the relations of given classes.

40. There is a shop that sells both burgers and sandwiches. Some customers want only a burger and some want only a sandwich. There are some customers who want neither a burger nor a sandwich. The rest of the customers want both a burger and a sandwich. Which of the following Venn diagrams correctly represents these situations?



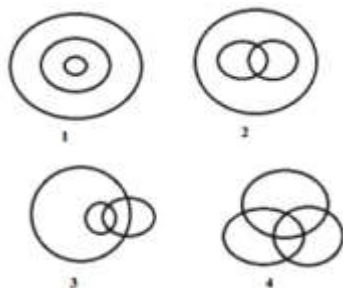
RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,



The Venn diagram of option (c) correctly represents these situations.

41. Select the Venn diagram that best represents the relationship between the following classes.
Players, Humans, Students



- (a) 4 (b) 3
(c) 1 (d) 2

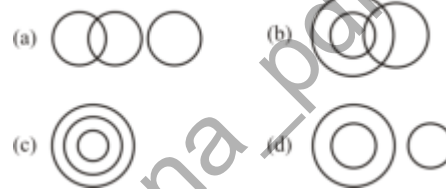
RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (d) : From question,



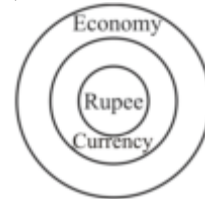
Figure 2 represents the best relationship between the all classes. Hence, option (d) is correct.

42. Select the Venn diagram that best represents the relationship between
Currency, Economy, Rupee



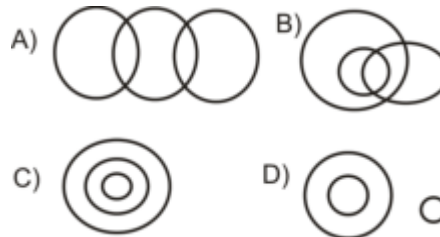
RRB NTPC 28.01.2021 (Shift-I) Stage Ist

Ans. (c) : On drawing Venn diagram–



Hence, option (c) is correct.

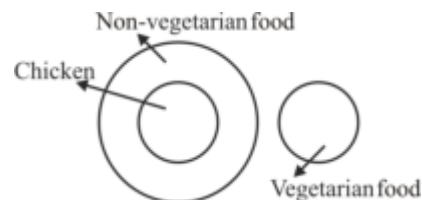
43. Select the Venn diagram that best represents the relationship between Chicken, Vegetarian food and Non-vegetarian food.



- (a) C (b) D
(c) B (d) A

RRB NTPC 28.01.2021 (Shift-I) Stage Ist

Ans. (b) :

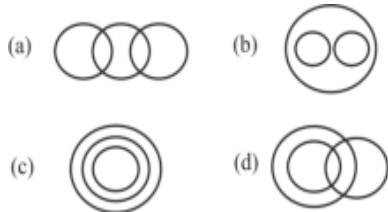


Hence, option (b) is correct.



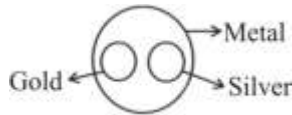
44. Select the Venn diagram that best represents the relationship between the given set of classes.

Gold, Metal, Silver



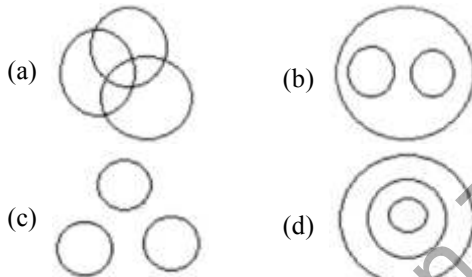
RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (b) : Suitable Venn diagram of Gold, Metal and Silver.



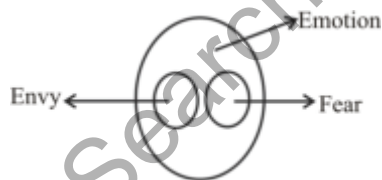
Gold and silver are metals. Hence, option (b) is correct answer.

45. Select the Venn diagram that best represents the relationship between the following classes.
Envy, Fear, Emotion



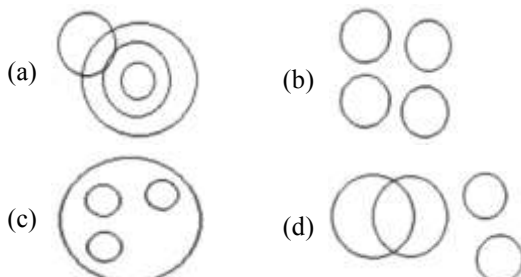
RRB NTPC 08.02.2021 (Shift-II) Stage Ist

Ans. (b) : Suitable Venn diagram for Emotion, Envy and Fear.



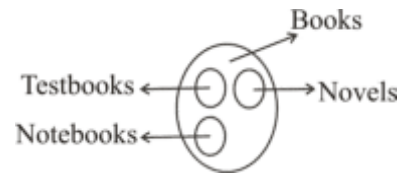
Hence, option (b) is correct.

46. Select the Venn diagram that best represents the relationship between the following classes.
Books, Textbooks, Novels, Notebooks



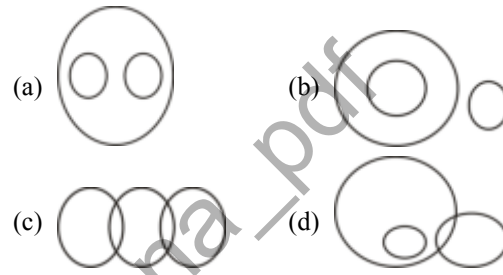
RRB NTPC 08.02.2021 (Shift-II) Stage Ist

Ans. (c) : Suitable Venn diagram for Books, Textbooks, Novels and Notebooks—



Hence, option (c) is correct.

47. Select the Venn diagram that best represents the relationship between the following classes.
Birds, Ostriches, Bats



RRB NTPC 14.03.2021 (Shift-I) Stage Ist

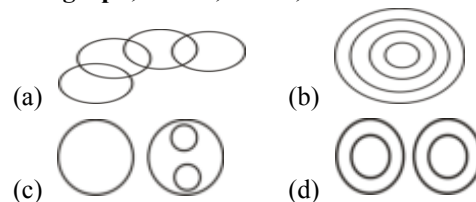
Ans. (b) : The above Venn diagram is for Birds, Ostriches and Bats.



Ostriches come under birds while bats come under mammals. Hence, option (b) will be correct.

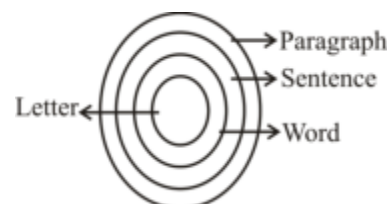
48. Select the Venn diagram that best represents the relationship between the given groups of classes.

Paragraph, Letter, Word, Sentence



RRB NTPC 19.03.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question Venn diagram is as follows:



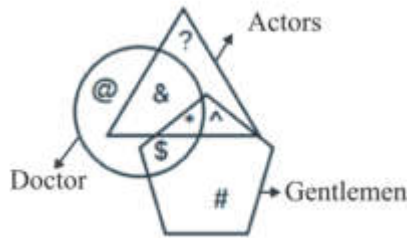
Hence, option (b) is correct.



10. Problems Based on Diagram

Type-1: Diagram Related Problems Based on Letters and Symbols

1. In the given diagram, the circle represents 'doctors', the triangle represents 'actors' and the pentagon represents 'gentlemen'. Which of the following symbol(s) represent(s) those 'gentlemen' who are 'actors'?

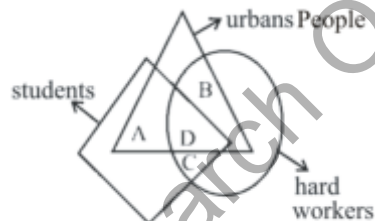


- (a) * ^ (b) ^ #
(c) ^ # * (d) ^

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (a) : Symbols (* ^) represent gentlemen who are also actors.

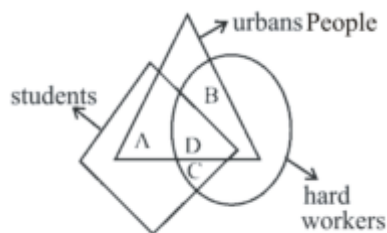
2. In the following diagram square represents students, circle represents hard workers and triangle represents the urban people. Find the region that represents hard working students who are not urban?



- (a) D (b) A
(c) C (d) B

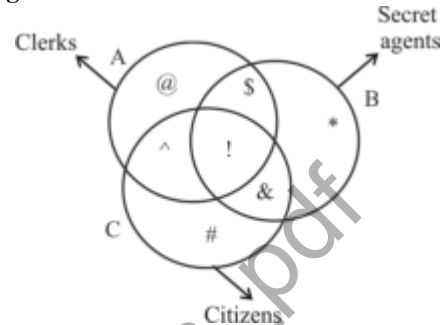
RRB NTPC 06.04.2021 (Shift-I) Stage Ist

Ans. (c) : According to the given venn-diagram -



The region that represents hard working students who are not urban = C

3. In the given diagram, circle A represents clerks, circle B represents secret agents and circle C represents citizens. Which of the following symbols represent (s) those secret agents who are also clerks?

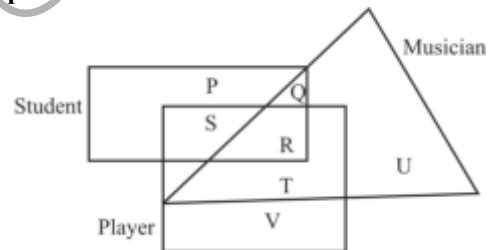


- (a) ! and \$ (b) ! and &
(c) @ and ^ (d) Only \$

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (a) : From the given venn diagram symbols '!' and '\$' represent secret agents who are also clerks.

4. Study the given figure and answer the given question.



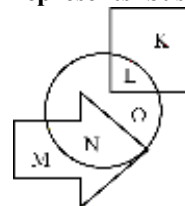
Which area represents the students who are musicians but not players ?

- (a) R (b) S
(c) U (d) Q

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (d) : Region 'Q' represents those students who are musicians but not players.

5. In the given diagram, circle represents 'boxers', square represents 'philosophers' and arrow represents 'business women'.



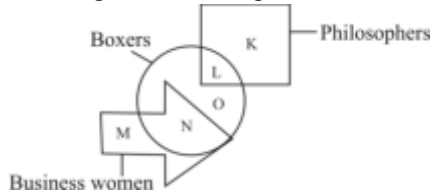
Which of the following letters represents boxers who are not men?

- (a) N (b) L
(c) M (d) O

RRB NTPC 10.02.2021 (Shift-II) Stage Ist



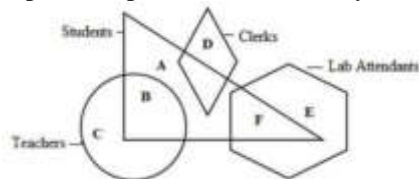
Ans. (a) : From given venn-diagram,



Letter N represents boxers who are not men.

6. In the given figure, the circle represents persons who are 'teachers', the triangle represents persons who are 'students', the diamond represents persons who are 'clerks' and the hexagon represents persons who are 'lab attendants'

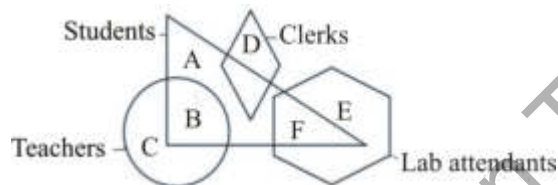
Based on the figure, select the region that represents persons who are only teachers.



- (a) B (b) C
(c) A (d) F

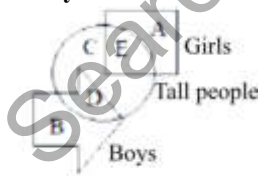
RRB NTPC 13.03.2021 (Shift-II) Stage Ist

Ans. (b) : From the given fig.



On the basis of the given figure, 'C' represents persons who are only teachers.

7. In the given diagram, circle represents 'tall people', square represents 'girls' and arrow represents 'boys'.



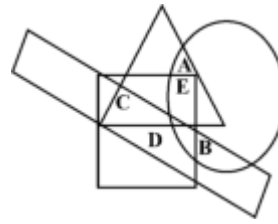
Which of the following letters represents persons who are tall but are not girls?

- (a) D and E (b) C, D and B
(c) C and E (d) C and D

RRB NTPC 07.04.2021 (Shift-I) Stage Ist

Ans. (d) : It is clear from the given diagram that letter C and D represent persons who are tall but are not girls.

8. In the given diagram, the circle represents 'educated persons', the triangle represents 'urban persons', the square represents 'laborious persons', and the rectangle represents 'honest persons'.

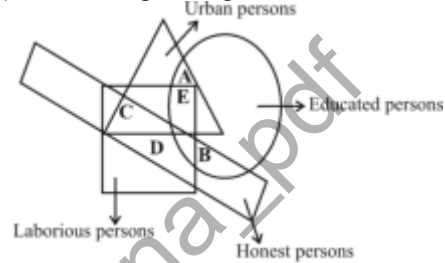


Which region represents uneducated, honest, laborious persons who are NOT urban?

- (a) D (b) B
(c) E (d) C

RRB NTPC 09.02.2021 (Shift-II) Stage Ist

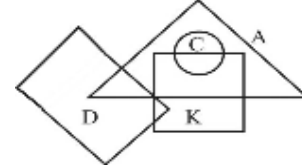
Ans. (a) : From the given figure,



Hence, region shown by 'D' represents uneducated, honest, and laborious persons who are not urban.

Instructions—Question No. (9-10) : Answer the given questions based on the following information.

Triangle A represents Arabic-Speaking people, circle C represents Chinese-speaking people, quadrilateral K represents Korean-speaking people and rectangle D represents Dutch-speaking people.



9. Which of the following statements are true in the above figure?

- (a) There are some people who speak all four languages
(b) Some Dutch – Speaking people may speak either Arabic or Korean
(c) Some people who speak Korean may not speak all languages
(d) All Arabic speaking people can speak Chinese, but not Dutch

RRB NTPC 30.04.2016 Shift : 1

Ans. (b) : It is clear from above diagram that some people who speak Dutch may speak either Arabic or Korean.

10. In the given above figure, which of the following statements is true?

- (a) All those who speak Chinese, speak Dutch
(b) All those who speak Chinese, speak Korean
(c) All Dutch speaking people, speak Korean and Arabic
(d) All Chinese speaking people also speak Arabic

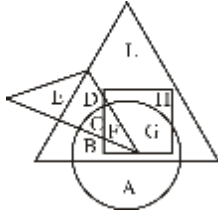
RRB NTPC 30.04.2016 Shift : 1

Ans. (d) : By studying the above diagram, it is clear that everyone who speaks Chinese can also speak Arabic.



Instructions (11–13) : Study the following information and answer the questions below.

In the given below figure, the smallest triangle represents the professor, the largest triangle represents the leader, the circle represents the graduate and the rectangle represents the university members.

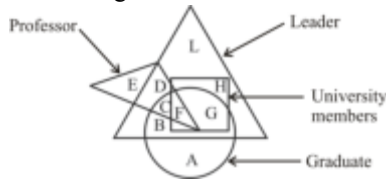


11. Which are such leaders who are neither professors nor graduates?

- (a) E, F (b) D, E
(c) C, D (d) L, H

RRB NTPC 29.04.2016 Shift : 3

Ans. (d) : Given diagram is as follows -



From the above diagram, the number of such leaders who are neither professors nor graduates = L, H

12. Which are such leaders who are graduate but not members of the university?

- (a) B, C (b) L, B
(c) D, L (d) A, H, L

RRB NTPC 29.04.2016 Shift : 3

Ans. (a) : Number of leaders who are graduates but not members of the university = B and C

13. Which graduates or professors are not leaders?

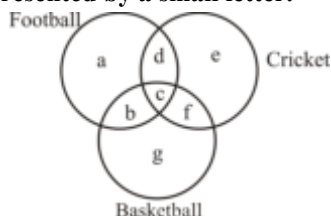
- (a) B, G (b) G, H
(c) A, E (d) E, F

RRB NTPC 29.04.2016 Shift : 3

Ans. (c) : Such people who are either professor or graduate but not leaders = A, E

Directions (Question no. 14-16) Answer the following questions based on the diagram.

The figure given below consists of three intersecting circles which represent sets of persons who play Football, Cricket and Basketball. Each region in the figure is represented by a small letter.



14. Which region represents the set of persons who play Football but neither Cricket nor Basketball ?

- (a) Region a (b) Region b
(c) Region c (d) Region d

RRB NTPC 29.04.2016 Shift : 2

Ans. (a) : Region 'a' shows such group of people who play football but neither cricket nor basketball.

15. Which region represents the set of persons who play all the three games?

- (a) Region b (b) Region c
(c) Region f (d) Region g

RRB NTPC 29.04.2016 Shift : 2

Ans. (b) : Region 'c' represents the group of people who play all three games.

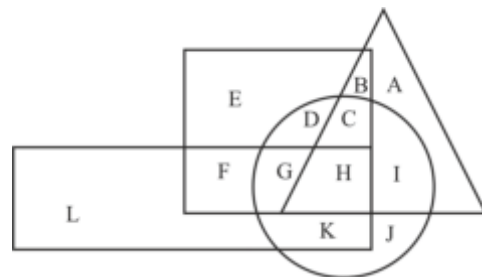
16. Which region represents the set of persons who play Football and Basketball but not Cricket?

- (a) Region g (b) Region e
(c) Region c (d) Region b

RRB NTPC 29.04.2016 Shift : 2

Ans. (d) : Region 'b' shows the people who play football and basketball but not play cricket.

Instructions (17-18) : In the following given diagram, the squares represent boys, circle shape dwarfs, triangle shape badminton players and rectangle shape writers. Answer the following question.



17. Which shape represents the dwarf boys who do not play badminton and who are not writers?

- (a) Shape C (b) Shape D
(c) Shape E (d) Shape G

RRB NTPC 07.04.2016 Shift : 1

Ans. (b) : It is clear from the above diagram that letter D represents the dwarf boys who do not play badminton and who are not writers also.

18. Which letter represents the boys who are writers but not dwarfs?

- (a) Shape B (b) Shape E
(c) Shape F (d) Shape D

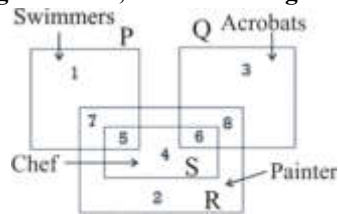
RRB NTPC 07.04.2016 Shift : 1

Ans. (c) : Letter F denotes the boys who are writers but not dwarfs.



Type-2 : Diagram Related Problems Based on Numbers

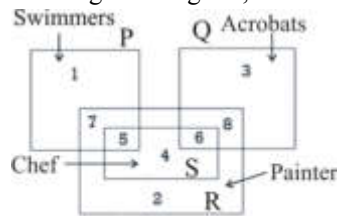
19. The following figure is a combination of 4 figures P, Q, R and S. Figure P represents people who are swimmers while figure Q represents acrobats. Figure R and S represent painters and chefs, respectively. According to the figure below, whom does region 8 represent?



- (a) People who are swimmers and acrobats.
 (b) People who are painters and acrobats.
 (c) People who are chefs, painters and acrobats.
 (d) People who are chefs and swimmers.

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Ans. (b) : From the given diagram,



Hence region 8 represents number of people who are painters and acrobats.

20. How many pens are coal?

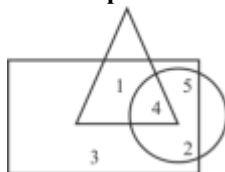


- (a) 9
 (b) 8
 (c) 7
 (d) 6

RRB NTPC 06.04.2021 (Shift-II) Stage Ist

Ans. (d) : It is clear from the above diagram that $(4+2) = 6$ pens are coal.

21. The given figure contains many shape. Which of these numbers is present in only one shape?



- (a) 4
 (b) 3
 (c) 2
 (d) 1

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (b) : It is clear from the given diagram that the number 3 is present in only one shape.

22. From the given Venn diagram, find the number of doctors who are surgeons but not general practitioners.

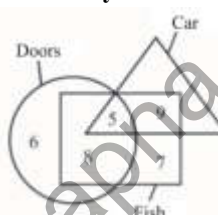


- (a) 5
 (b) 8
 (c) 9
 (d) 4

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (a) : It is clear from the Venn diagram that the number of doctors who are surgeons but not general practitioners = 5

23. How many doors are fish?

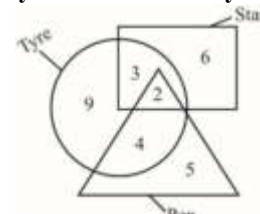


- (a) 14
 (b) 6
 (c) 8
 (d) 13

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (d) : It is clear from given figure that $(8+5) = 13$ doors are fish.

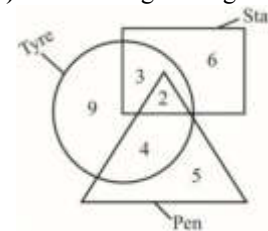
24. How many Stars are both Tyres and Pen?



- (a) 3
 (b) 6
 (c) 4
 (d) 2

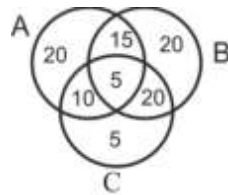
RRB NTPC 21.01.2021 (Shift-I) Stage Ist

Ans. (d) : From the given figure,



From the above diagram it is clear that there are 2 Stars which are both Tyres and Pens.

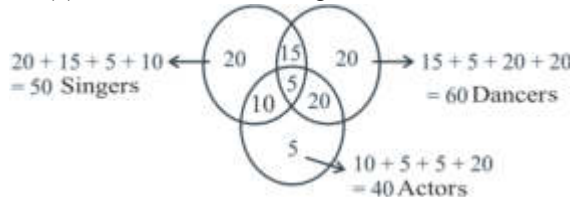
25. Circle A, B and C represents singers, dancers and actors respectively. The total number of these are 50, 60 and 40 respectively. What is the number of people who are both singers and dancers but are not actors?



- (a) 15 (b) 40
(c) 75 (d) 5

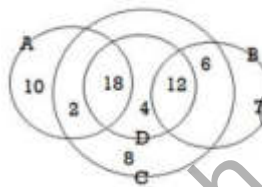
RRB NTPC 27.02.2021 (Shift-I) Stage Ist

Ans. (a) : The above Venn diagram is as follows—



Hence, it is clear that the number of 15 people who are both singers and dancers but are not actors.

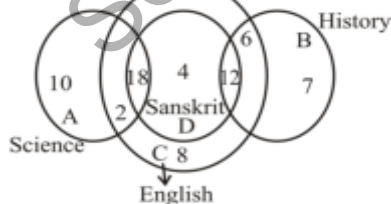
26. The following figure is a combination of 4 CIRCLES, A, B, C and D. The numbers in the figure corresponds to the number of people in that category. Circle A represents people who like Science while circle B represents the ones who like History. Circle C and D represent people who like English and Sanskrit, respectively. According to the given figure, find the total number of people who like ONLY Science and ONLY English and History together?



- (a) 18 (b) 55
(c) 16 (d) 28

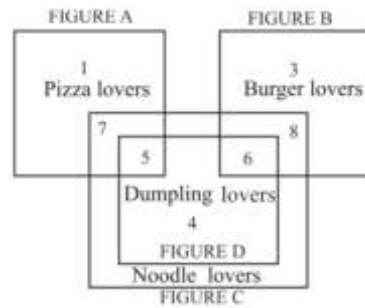
RRB NTPC 04.03.2021 (Shift-II) Stage Ist

Ans. (c) : From the above diagram



It is clear the who like only Science and only English and History together = $10 + 6 = 16$

27. The following figure is a combination of four figures A, B, C and D. Figure A represent people who are pizza lovers, while figure B represent burger lovers. Figure C and D represent noodle and dumpling lovers respectively. According to the figure below what does region 5 depict?



- (a) People who are only pizza, noodle and dumpling lovers
(b) People who are only pizza and dumpling lovers
(c) People who are pizza, noodle and burger lovers
(d) People who are only pizza and noodle lovers

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (a) : Representation of area 5 as per given figure = people who like only Pizza, Noodle and Dumpling lovers.

28. In the given diagram, which number is in all the geometrical figures?

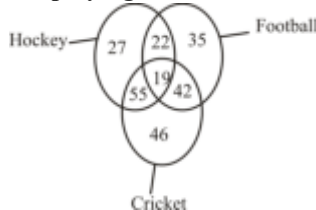


- (a) 5 (b) 8
(c) 3 (d) 4

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (d) : It is clear from given Venn-diagram that the number 4 is included in all the geometrical figure.

29. In the given figure, how many hockey players are playing football?

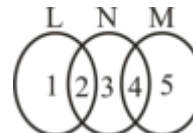


- (a) 35 (b) 22
(c) 41 (d) 55

RRB NTPC 04.01.2021 (Shift-I) Stage Ist

Ans. (c) : Number of hockey players who play football = $22 + 19 = 41$

30. In the following diagram, L represents educated people, M represents illiterate people, N represents working people. Which number represents people who are working and illiterate?

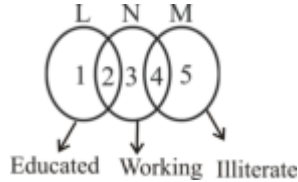




- (a) 2 (b) 3
(c) 5 (d) 4

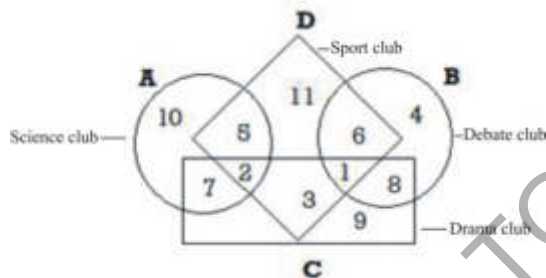
RRB NTPC 19.01.2021 (Shift-II) Stage Ist

Ans. (d) : From the above diagram,



Clearly the number 4 denotes both illiterate and working.

31. The following figure is a combination of 4 figures, A, B, C and D. Figure A and B represent students who are enrolled in science club and debate club respectively. Figure C and D represent students who have joined drama club and sports club respectively. The numbers inside the figures represent the number of students in that particular region. How many students have joined more than two clubs?

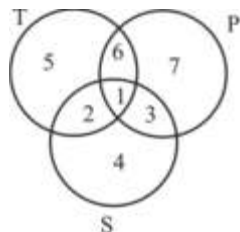


- (a) 3 (b) 6
(c) 4 (d) 2

RRB NTPC 11.03.2021 (Shift-I) Stage Ist

Ans. (a) : Student who enrolled A, C and D club = 2
Student who enrolled B, C and D clubs = 1
Student who enrolled in more than two clubs = 2 + 1 = 3

32. In the given diagram, circle T represents 'Teacher', circle S represents 'Students' and circle P represents 'Principal'. The regions are denoted by numbers from 1 to 7. Answer the question given below on the basis of the diagram.

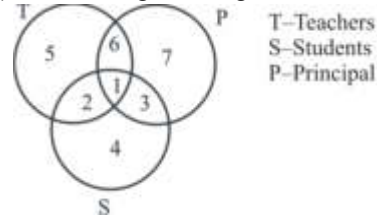


Select the field that represents the teachers who are neither students nor principals.

- (a) 2 (b) 1
(c) 6 (d) 5

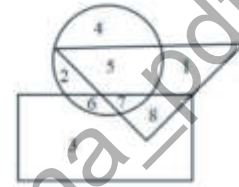
RRB NTPC 11.01.2021 (Shift-II) Stage Ist

Ans. (d) : From the given diagram,



The number 5 represents the teachers who are neither students nor principals.

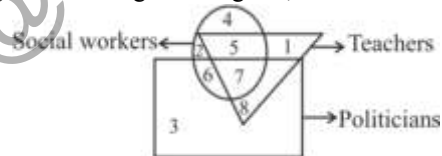
33. In the given diagram, the triangle represents teachers, the rectangle represents politicians, and the circle represents social workers. Which number in the diagram represents the teachers who are also social workers but not politicians?



- (a) 6 (b) 7
(c) 5 (d) 2

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (c) : From the given diagram,



Hence, the number 5 represents those teachers who are social workers but not politicians.

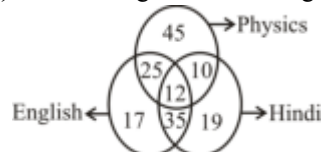
34. The given Venn diagram shows the number of students who got distinction in three subject among 350 students. Find the percentage of students who got distinction in only two subjects.



- (a) 25% (b) 20%
(c) 18.5% (d) 32%

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (b) : From the given Venn-diagram,



Number of those students who got distinction in only two subjects = 25 + 10 + 35 = 70

$$\text{Required percentage} = \frac{70}{350} \times 100 = 20\%$$

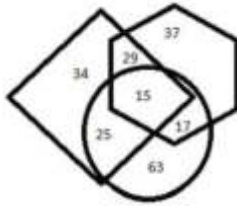


35. Study the given diagram and answer the question that follows.

The hexagon represents Females.

The circle represents Writers.

The quadrilateral represents Bengali.

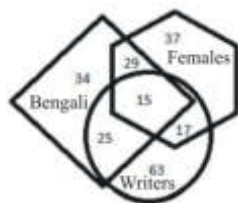


How many female writers are Bengali?

- (a) 57 (b) 32
(c) 15 (d) 40

RRB NTPC 13.03.2021 (Shift-I) Stage Ist

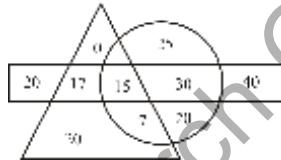
Ans. (c) : From the given venn-diagram,



It is clear from the above question-diagram that there are 15 such female writers are Bengali.

Instructions- (Question 36-37) : For study the following venn diagram and write down to answer the question.

In the venn diagram the triangle represents the person who takes maaza. The circle represents the person who takes the fanta. The rectangle represents the person who takes the slice.

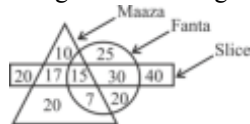


36. How many people who only take maaza and slices but do not take fanta?

- (a) 20 (b) 17
(c) 25 (d) 15

RRB NTPC 30.04.2016 Shift : 3

Ans. (b) : From the given venn-diagram,



It is clear from the diagram that the number of persons who take maaza and slice, but not take fanta = 17

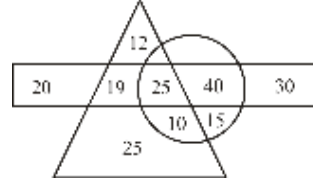
37. How many people who take both maaza and fanta but do not take slice?

- (a) 22 (b) 17
(c) 7 (d) 20

RRB NTPC 30.04.2016 Shift : 3

Ans. (c) : Number of people who take both maaza and fanta but do not take slice = 7

Instructions Question Number (38-40) : Study this figure and answer the questions based on it. The triangle rectangle and circle respectively represent the people who drink coffee, tea and wine?

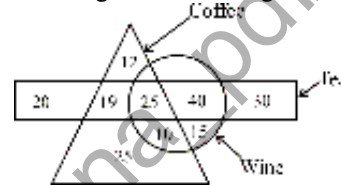


38. How many people drink both coffee and wine but do not drink tea?

- (a) 25 (b) 10
(c) 19 (d) 12

RRB NTPC 29.04.2016 Shift : 1

Ans. (b) : From the given Venn-diagram,



Number of People drink both coffee and wine but do not drink tea = 10

39. How many people drink coffee and tea but do not drink wine?

- (a) 25 (b) 12
(c) 19 (d) 10

RRB NTPC 29.04.2016 Shift : 1

Ans. (c) : People who drink coffee and tea will come under the both triangle and rectangle, but not in circle. Hence, the number of such people = 19

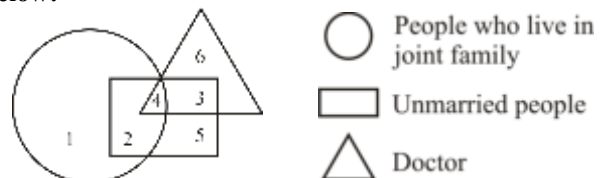
40. How many people drink tea?

- (a) 112 (b) 90
(c) 130 (d) 134

RRB NTPC 29.04.2016 Shift : 1

Ans. (d) : All those people who come under the rectangle drink tea, so the number of such people = 20 + 19 + 25 + 40 + 30 = 134

Instructions (Question 41-43) : Study the following figure and answer the questions given below:



41. What number represents those people who live in a joint family but neither unmarried nor doctors?

- (a) 4 (b) 5
(c) 2 (d) 1

RRB NTPC 28.04.2016 Shift : 1

Ans. (d) : It is clear from the diagram that the number 1 represents the people who live in a joint family but neither doctors nor unmarried.



42. What number represents the unmarried doctors are living in joint family?
- (a) 2 (b) 3
(c) 4 (d) 6

RRB NTPC 28.04.2016 Shift : 1

Ans. (c) : It is clear from the diagram that the number 4 represents persons who live in joint family and are unmarried and doctors.

43. What number represents the unmarried person living in a joint family who is not a doctor?
- (a) 2 (b) 4
(c) 1 (d) 5

RRB NTPC 28.04.2016 Shift : 1

Ans. (a) : Number 2 represents unmarried persons who are living in a joint family but not doctor.

Instructions : (Question No. 44-46) Study the following figure and answer the question given below:



44. If Ravenshaw College management requires only married treated professor for teaching. What is represented by the number 6?
- (a) Married treated professor in the college
(b) Treated professor
(c) Unmarried treated professor
(d) Married treated professor

RRB NTPC 27.04.2016 Shift : 3

Ans. (a) : It is clear from the diagram that number 6 represents married treated professors in the college.

45. Which number represent the unmarried treated professor in the college?
- (a) 6 (b) 5
(c) 7 (d) 4

RRB NTPC 27.04.2016 Shift : 3

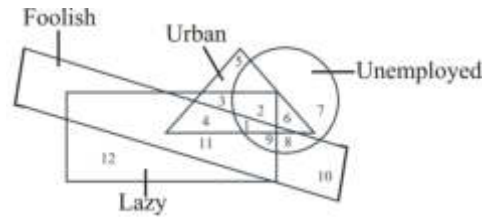
Ans. (d) : The number 4 represents treated unmarried professors in the college.

46. Which number represent the married treated professor in the college?
- (a) 7 (b) 6
(c) 5 (d) 4

RRB NTPC 27.04.2016 Shift : 3

Ans. (c) : Number 5 represents the married treated professor in the college.

Directions : (Question no. 47-49) In the following figure the circle stands for unemployed, the smaller rectangle stands for lazy, the triangle stands for urban and the larger rectangle stands for foolish. Study the figure carefully and answer the questions that follows:



47. The number of Unemployed, lazy, Urban and foolish people are:
- (a) 9 (b) 2
(c) 1 (d) 3

RRB NTPC 27.04.2016 Shift : 1

Ans. (c) : It is clear from the above diagram that the number of unemployed, lazy, urban and foolish people = 1

48. The number of non-urban, unemployed people who are neither foolish nor lazy are
- (a) 12 (b) 11
(c) 10 (d) 7

RRB NTPC 27.04.2016 Shift : 1

Ans. (d) : Number of non-urban, unemployed people who are neither foolish nor lazy = Number of persons who represented only by circle = 7

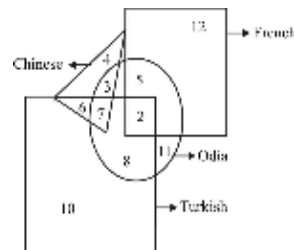
49. The number of non-urban, unemployed, lazy and foolish people are:
- (a) 8 (b) 9
(c) 10 (d) 11

RRB NTPC 27.04.2016 Shift : 1

Ans. (b) : Non-urban, unemployed, lazy and foolish persons those who are represented refers only circle, little rectangle and large rectangle = 9.

Instructions (50-52) : Read the information carefully and answer the following question.

In the following line diagram, the small rectangle represents those who know French, the triangle refers to Chinese, the larger rectangle refers to Turkish and the circle to Odia. The number of persons is shown in the diagram.



50. How many people can speak only one language?
- (a) 37 (b) 38
(c) 40 (d) 42

RRB NTPC 26.04.2016 Shift : 3

Ans. (a) : The number of people speaking only one language = $10 + 11 + 12 + 4 = 37$



51. How many people can not speak all languages?

- (a) 1 (b) 8
(c) 2 (d) All

RRB NTPC 26.04.2016 Shift : 3

Ans. (d) : According to the question from above diagram that all people can not speak all languages.

52. How many people can speak French, Odia and Turkish?

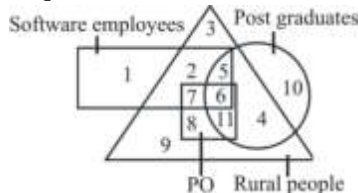
- (a) 8 (b) 2
(c) 7 (d) 5

RRB NTPC 26.04.2016 Shift : 3

Ans. (b) : The number of people speaking French, Odia and Turkish = 2

Instructions (Question No. 53-55) : Study the figure and answer the following questions.

- (1) The rectangle shows the software employees
- (2) Triangle represents rural people
- (3) The circle shows post graduates
- (4) The square denotes PO



53. Choose the correct statement

- (a) Some PO are software employees
(b) No PO is rural
(c) All post graduates are rural
(d) All post graduates are software employees

RRB NTPC 11.04.2016 Shift : 3

Ans. (a) : It is clear from the diagram that some PO are software employees.

54. Which of the following statements is true?

- (a) All software employees are PO.
(b) Some software employees are also PO with post graduates.
(c) All software employees are post graduates.
(d) All PO are software employees but not post graduates.

RRB NTPC 11.04.2016 Shift : 3

Ans. (b) : It is clear from the Venn diagram that the some software employees are also PO with post graduates.

55. Which of the following statements is true ?

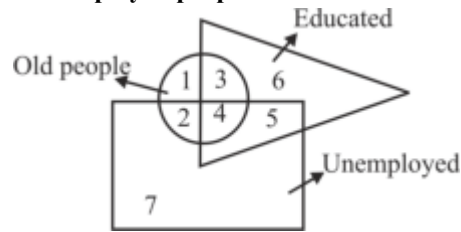
- (a) All rural people are post graduates
(b) Some PO are software employees but are not rural
(c) All software employees are PO
(d) Some rural people are not post graduates

RRB NTPC 11.04.2016 Shift : 3

Ans. (d) : It is clear from the diagram that some rural people are not post graduates.

Instructions : (56-58) Study the following figure and answer the question based on it.

In the diagram given below, circle refers to old people, triangle refers to educated people and square refers to unemployed people.



56. Which region represents old, educated and unemployed persons?

- (a) 6 (b) 5
(c) 4 (d) 3

RRB NTPC 12.04.2016 Shift : 1

Ans. (c) : The region 4 in the above figure shows old, educated and unemployed people.

57. Which region represents uneducated, unemployed and old people is referred by which number?

- (a) 2 (b) 3
(c) 4 (d) 5

RRB NTPC 12.04.2016 Shift : 1

Ans. (a) : In the above figure the region of uneducated, unemployed and old people is shown by the number 2.

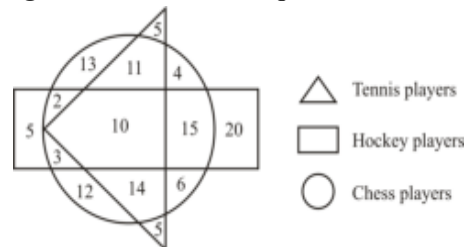
58. Which region represents old, uneducated and employed people?

- (a) 7 (b) 4
(c) 1 (d) 5

RRB NTPC 12.04.2016 Shift : 1

Ans. (c) : In the above figure the area of old, uneducated, and employed people in shown by the number 1.

Direction (59-61) Study the following figure/diagram and answer the questions based on it.



59. What is the number of tennis players who are not hockey players?

- (a) 10 (b) 50
(c) 55 (d) 35

RRB NTPC 29.03.2016 Shift : 3

Ans. (d) : Number of tennis players who are not hockey players = 11 + 5 + 14 + 5 = 35



60. What is ratio of hockey players to chess players?

- (a) 9/18 (b) 10/18
(c) 11/18 (d) 15/18

RRB NTPC 29.03.2016 Shift : 3

Ans. (c) : Number of hockey players
= 5 + 2 + 3 + 10 + 15 + 20 = 55

Number of chess players
= 3 + 12 + 14 + 6 + 15 + 4 + 11 + 13 + 2 + 10
= 90

∴ Required Ratio = 55 : 90 = 11 : 18

61. Those players who play both chess and tennis How many more players do not play chess (man them)?

- (a) 5
(b) 10
(c) It is the same
(d) Cannot be determined

RRB NTPC 29.03.2016 Shift : 3

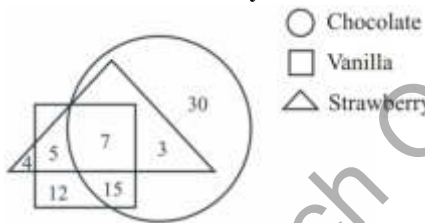
Ans. (c) : Number of players who play both chess and tennis = 14 + 11 + 10 = 35

Number of player who do not play chess = 5 + 5 + 5 + 20 = 35

Required difference = 35 - 35 = 0

So it is the same.

Direction (Question no.-62-64)- Study the following diagram and answer questions based on it. The diagram represents the favourite ice-cream flavours of kids in a society.



62. How many kids like Strawberry but not Vanilla?

- (a) 4 (b) 5
(c) 7 (d) 3

RRB NTPC 30.03.2016 Shift : 1

Ans. (c) : Number of children who like strawberry but do not like vanilla = 3 + 4 = 7

63. How many kids like both chocolate and Vanilla but not Strawberry ?

- (a) 5 (b) 7
(c) 12 (d) 15

RRB NTPC 30.03.2016 Shift : 1

Ans. (d) : Number of children who like both Chocolate and vanilla but do not like strawberry = 15

64. The ratio of kids who like Vanilla to those who like Chocolate is

- (a) 12/30 (b) 39/45
(c) 27/45 (d) 39/55

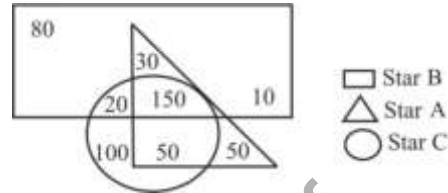
RRB NTPC 30.03.2016 Shift : 1

Ans. (d) : Number of children who like vanilla =
= 5 + 7 + 15 + 12 = 39

Number of children who like Chocolate
= 7 + 15 + 3 + 30 = 55

∴ Required ratio = 39 : 55

Instruction (Question No. 65-67) Consider/ study the following figure and answer the question based on it.



65. The ratio of those who like only star B to those who like only Star A.

- (a) 1/5 (b) 8/5
(c) 9/5 (d) 11/5

RRB NTPC 31.03.2016 Shift : III

Ans. (c) : From the above figure,

Number of people who like only star B = 80 + 10 = 90

Number of people who like only star A = 50

∴ Required ratio = $\frac{90}{50} = 9/5$

66. The difference in number of those who like all the three stars and those who like stars B and C.

- (a) 120 (b) 150
(c) 100 (d) 130

RRB NTPC 31.03.2016 Shift : III

Ans. (d) :

Number of people who like all three stars = 150

Number of people who like B and C. = 20

∴ Required difference = 150 - 20 = 130

67. What is the ratio between those who like both star A and B to those who like only star C?

- (a) 2/10 (b) 15/10
(c) 18/10 (d) 3/10

RRB NTPC 31.03.2016 Shift : III

Ans. (c) :

Number of people who like star A and B = 150 + 30
= 180

Number of people who like only star C = 100

Required ratio = $\frac{180}{100} = \frac{18}{10}$

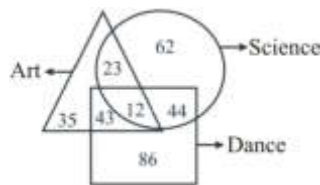
Instructions (68-70) :

Study the diagram given below and answer the questions based on it :

△ Represents Students who have chosen Arts course

○ Represents Students who have chosen Science course

□ Represents Students who have chosen Dance course



68. How many students have chosen Dance course and Science course but not the Arts course

(a) 43 (b) 44
(c) 12 (d) 23

RRB NTPC 02.04.2016 Shift : III

Ans. (b) : Number of students opting for dance and science course but not the art course = 44

69. How many students have chosen Arts course and Science course but not the Dance course

(a) 23 (b) 12
(c) 35 (d) 44

RRB NTPC 02.04.2016 Shift : III

Ans. (a) : Number of students have chosen arts course and science but not the dance course = 23

70. How many students have chosen the science course

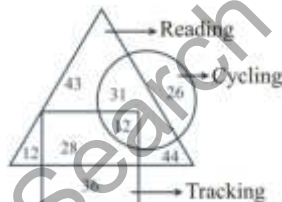
(a) 141 (b) 185
(c) 113 (d) 145

RRB NTPC 16.04.2016 Shift : I

Ans. (a) : Number of students have chosen the science course = $62 + 44 + 12 + 23 = 141$

Instructions (71–73) : Study the figure given below and answer the question based on it

- Δ Represents people who like to read
○ Represents people who like cycling
□ Represents people who like tracking



71. How many people like to read ?

(a) 170 (b) 154
(c) 176 (d) 117

RRB NTPC 02.04.2016 Shift : 2

Ans. (a) : Number of people who like to read = $43 + 31 + 12 + 28 + 12 + 44 = 170$

72. How many people like reading and cycling but not tracking ?

(a) 31 (b) 12
(c) 26 (d) 28

RRB NTPC 02.04.2016 Shift : II

Ans. (a) : It is clear from the diagram that the representation of 31 people like cycling and reading but not tracking.

73. How many people like tracking and reading but not cycling ?

(a) 12 (b) 31
(c) 44 (d) 28

RRB NTPC 02.04.2016 Shift : II

Ans. (d) : It is clear from the diagram that the representation of 28 person likes tracking and reading but not cycling.

Instruction Question (74-76) :

Study the figure given below and answer the questions based on it.

Δ Refers to tea drinkers

○ Refers to coffee drinkers

□ Refers to Juice drinkers



74. How many people drink coffee?

(a) 141 (b) 164
(c) 127 (d) 145

RRB NTPC 02.04.2016 Shift : 1

Ans. (b) : According to the given figure
Number of coffee drinkers = $15 + 23 + 45 + 43 + 38 = 164$

75. How many people drink tea and coffee but not juice?

(a) 38 (b) 43
(c) 23 (d) 45

RRB NTPC 02.04.2016 Shift : I

Ans. (d) : Number of people who drink both tea and coffee but not juice = 45

76. How many people drink juice and tea but not coffee

(a) 23 (b) 36
(c) 15 (d) 24

RRB NTPC 02.04.2016 Shift : I

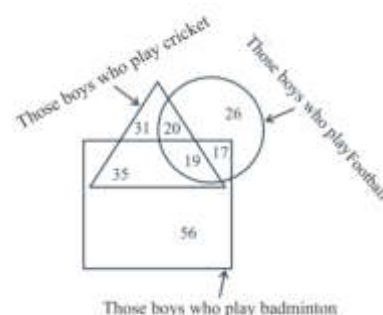
Ans. (b) : Number of people who drink juice and tea but not coffee = 36

Instruction (77–79) : Study the figure given below and answer the questions based on it

Δ Refers to children who play cricket

○ Refers to children who play football

□ Refers to children who play badminton





77. How many children play cricket and football but not badminton ?
 (a) 20 (b) 19
 (c) 39 (d) 17

RPF SI 06.01.2019 Shift : II

Ans. (a) : Number of children who play cricket and football but do not play badminton = 20

78. How many children play football?
 (a) 127 (b) 82
 (c) 105 (d) 85

RRB NTPC 03.04.2016 Shift : III

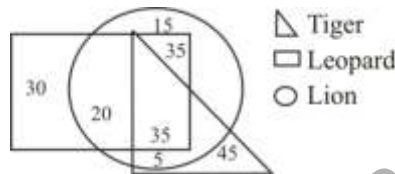
Ans. (b) : Number of children who play football = $20 + 19 + 17 + 26 = 82$

79. How many children play both badminton and football but not cricket ?
 (a) 19 (b) 20
 (c) 17 (d) 39

RRB NTPC 03.04.2016 Shift : III

Ans. (c) : The number of children who play both badminton and football but do not play cricket = 17

Instruction (80–82) : Study the figure given below and answer the questions based on it. The figure represents to the like of children in a society.



80. The difference between children who like leopard to those who like tiger is:
 (a) 50 (b) 35
 (c) 30 (d) 5

RRB NTPC 03.04.2016 Shift : II

Ans. (b) : Number of children who like leopard = $30 + 35 + 35 + 20 = 120$
 Number of children who like tiger = $35 + 5 + 45 = 85$
 Required difference = $120 - 85 = 35$

81. How many children who like lion, also like the tiger
 (a) 5 (b) 15
 (c) 35 (d) 40

RRB NTPC 03.04.2016 Shift : II

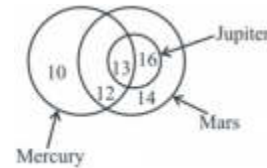
Ans. (d) : Number of children who like both lion and tiger = $35 + 5 = 40$

82. How many children like both lion and leopard
 (a) 35 (b) 55
 (c) 90 (d) 95

RRB NTPC 03.04.2016 Shift : II

Ans. (c) : Number of children who like both lion and leopard = $20 + 35 + 35 = 90$

Instruction (83–85) Study the figure given below and answer the questions based on it figure represents like students of a class.



83. How many students are there who like both Mars and Jupiter?
 (a) 45 (b) 29
 (c) 26 (d) 13

RRB NTPC 03.04.2016 Shift : I

Ans. (b) : From the given picture diagram
 Number of students who like both Mars and Jupiter = $13 + 16 = 29$

84. What is the difference between the students who like Mercury and Jupiter
 (a) 6 (b) 8
 (c) 10 (d) 12

RRB NTPC 03.04.2016 Shift : I

Ans. (a) : According to the venn-diagram,
 Students who like the planet mercury = $10 + 12 + 13 = 35$
 Students who like the planet Jupiter = $13 + 16 = 29$
 Required difference = $35 - 29 = 6$

85. What is the ratio of students who like only Mars to those who like all the three planets ?
 (a) 7/5 (b) 7/8
 (c) 7/6 (d) 14/13

RRB NTPC 03.04.2016 Shift : I

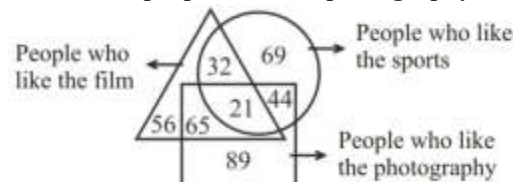
Ans. (d) : From the given diagram
 Students, like only mars = 14
 Students, who like all three plants = 13
 Required ratio = $14/13$

Instruction (86–88) : Study the given figure below and answer the questions based on it.

Δ = refers to people who like movies

\bigcirc = Refers to people who like sports

\square = Refers to people who like photography



86. How many people like films and sports but not photography?
 (a) 53 (b) 21
 (c) 32 (d) 44

RRB NTPC 04.04.2016 Shift : III



Ans. (c) : From the above Venn diagram
Number of people who like film and sports but not photography = 32

87. How many people like sports?

- (a) 142 (b) 166
(c) 133 (d) 145

RRB NTPC 04.04.2016 Shift : III

Ans. (b) :

Number of people who like sports = $32 + 69 + 44 + 21$
= 166

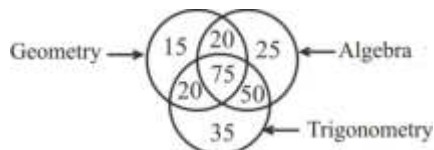
88. How many people like photography and sports but not movies?

- (a) 43 (b) 44
(c) 21 (d) 32

RRB NTPC 04.04.2016 Shift : III

Ans. (b) : Number of people who like photography and sports but not films = 44

Instruction (89-91) : Study the given figure and answer the questions based on it the figure shows the choice of student in a batch.



89. What is the ratio of students who prefer trigonometry to Geometry?

- (a) 13/18
(b) 13/17
(c) 18/13
(d) 18/17

RRB NTPC 04.04.2016 Shift : II

Ans. (c) : Number of students who like geometry

$$= 15 + 20 + 75 + 20$$

$$= 130$$

Number of students who like trigonometry

$$= 20 + 75 + 50 + 35$$

$$= 180$$

$$\text{Required ratio} = \frac{180}{130} = 18/13$$

90. How many students like Algebra and Trigonometry but not Geometry?

- (a) 70 (b) 110
(c) 100 (d) 60

RRB NTPC 04.04.2016 Shift : II

Ans. (b) :

Required number of students = $35 + 50 + 25$
= 110

91. The ratio of students who like all three subjects to those who like algebra only is-

- (a) 5:1 (b) 15:4
(c) 15:7 (d) 3:1

RRB NTPC 04.04.2016 Shift : II

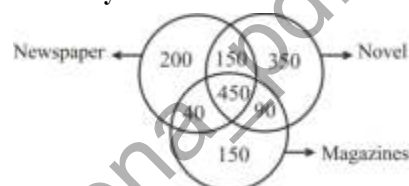
Ans. (d) : Students who like all three subjects = 75

Students who like algebra only = 25

$$\text{Required ratio} = \frac{75}{25} = 3/1 \Rightarrow 3:1$$

Direction (92-94) Study the following diagram and answer questions based on it.

The diagram represents the reading preferences of people in a society.



92. The ratio of people who read both magazines and novels to those who read only newspapers is

- (a) 20/9 (b) 27/10
(c) 9/15 (d) 9/20

RRB NTPC 04.04.2016 Shift : I

Ans. (b) : Number of people who read both magazines and novels = $450 + 90 = 540$

Number of people who read only newspaper = 200

$$\text{Required ratio} = 540 : 200 \\ = 27 : 10$$

93. The ratio of people who read only magazines to those who read all the three is?

- (a) 1 : 5 (b) 1 : 3
(c) 5 : 9 (d) 4 : 9

RRB NTPC 04.04.2016 Shift : I

Ans. (b) : The ratio of those who read only magazines and who read all three = $150 : 450 = 1 : 3$

94. What is the difference between the people who like, novels and those who like newspapers?

- (a) 250 (b) 240
(c) 200 (d) 190

RRB NTPC 04.04.2016 Shift : I

Ans. (c) : Total number of people who read the novel = $350 + 150 + 450 + 90 = 1040$

Number of people who read the newspaper

$$= 200 + 40 + 450 + 150$$

$$= 840$$

$$\therefore \text{Required difference} = 1040 - 840 = 200$$



11.

Analytical Reasoning

1. There are five friends, Leo, Casey, Pamela, Alisha and Andrew. Each one likes a different fruit: Apple, Mango, Strawberry, Pear and Apricot, not necessarily in the same order. Also, each of them have different professions: dancer, actor, singer, doctor and professor, not necessarily in the same order.

The one who likes Pear is a professor. The one who likes Mango is a singer or a doctor. Leo likes Apple but is neither a dancer nor a doctor. Casey is a singer. Andrew likes Pear. The one who is a singer likes Apricot. Alisha likes Strawberry.

Who is the doctor by profession?

- (a) Andrew (b) Alisha
(c) Pamela (d) Casey

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (c) :

Name	Fruit	Profession
Leo	Apple	Actor
Casey	Apricot	Singer
Pamela	Mango	Doctor
Alisha	Strawberry	Dancer
Andrew	Pear	Professor

Hence, Pamela is a doctor by profession.

2. Five students A, B, C, D and E study in different schools K, L, M, N and O, but not necessarily in the same order. Each one likes only one subject, viz. Hindi, Mathematics, Science, Social Science and English. C studies in M, B does not like Social Science. D likes English and studies in N. The student of L likes Mathematics. E likes Hindi but he is neither from O nor L. B studies in O.

Which one of the following students studies in school L and likes Mathematics?

- (a) D (b) B
(c) C (d) A

RRB NTPC (Stage-II) –15/06/2022 (Shift-II)

Ans. (d) : According to the question,

student	Subject	School
A	Mathematics	L
B	Science	O
C	Social science	M
D	English	N
E	Hindi	K

Hence, it is clear from above that student A studies in school L and likes Mathematics.

3. Six friends A, B, C, D, E and F like to eat one fruit each among Mango, Apple, Orange, Kiwi, Guava and Grapes: D likes Mango. C neither likes Guava nor does he like Kiwi. E likes Orange. F neither likes Grapes nor does he like Guava. A likes Apple.

Who likes Grapes?

- (a) F (b) D
(c) B (d) C

RRB NTPC (Stage-II) –15/06/2022 (Shift-III)

Ans. (d) : According to the question,

Fruits liked by friends A, B, C, D, E and F are as follows.

- A → Apple
D → Mango
E → Orange
F → Kiwi
C → Grapes
B → Guava

Hence, C likes grapes.

4. Seven friends P, Q, R, S, T, U and V belong to seven cities namely Shimla, Manali, Agra, Jaipur, Goa, Guwahati and Darjeeling but not necessarily in the same order. Each one of them belong to only one city. T belong to Darjeeling. S and V belong to Manali and Shimla, respectively. Q belongs to Agra. One among R and U belongs to Guwahati P does not belong to Goa.

Who belongs to Jaipur?

- (a) R (b) P
(c) S (d) Q

RRB NTPC (Stage-II) –16/06/2022 (Shift-I)

Ans. (b) : According to the question,

Friend	City
P	– Jaipur
Q	– Agra
R	– Guwahati/ Goa
S	– Manali
T	– Darjeeling
U	– Guwahati/Goa
V	– Shimla

Hence, it is clear from above that P is belongs to Jaipur.

5. Five friends Amit, Bablu, Chirag, Deepak and Eklavya, each having different occupations Advocate, Boxer, Coach, Doctor and Engineer are sitting around a circular table facing the centre.

1. Bablu is a Boxer and Deepak is a Doctor.

2. Amit sits second to the right of Chirag, who is a Coach.

3. The Boxer will never sit immediately next to the Coach.

4. The Doctor and Boxer are immediate neighbours of each other.

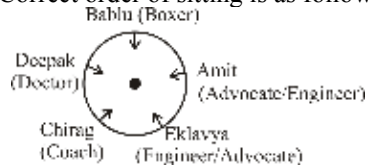
Who sits to the immediate right of Chirag?

- (a) Eklavya (b) Deepak
(c) Amit (d) Bablu

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)



Ans. (a) : Correct order of sitting is as follows :



Hence, Eklavya is sitting immediate right of Chirag.

6. Read the given information carefully and answer the question that follows.

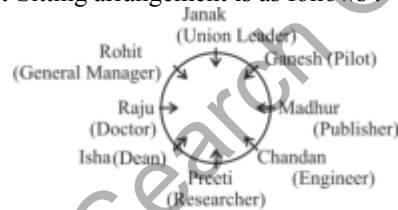
Ganesh, Raju, Rohit, Isha, Janak, Preeti, Chandan and Madhur are eight employees who are sitting for a discussion around a circular table, facing its centre. Their professions are Pilot, Doctor, Publisher, Engineer, General Manager, Union Leader, Researcher and Dean, but not necessarily in the same order. Raju is sitting second to the left of Preeti. The Dean is to the immediate left of Preeti. Only three people are there between the Dean and Ganesh. There is only one person sitting between the Engineer and Ganesh. The Publisher is sitting to the immediate right of the Engineer. Madhur is sitting second to the right of Preeti. Isha is the Dean, Rohit and Janak are immediate neighbours of each other. Neither Rohit nor Janak is the Engineer. The General Manager is sitting to the immediate left of Raju. The Union Leader is sitting second to the right of the Publisher. The Researcher is an immediate neighbor of the Engineer. Rohit is sitting second to the right of the Pilot.

What is the position of Chandan with respect to the Dean?

- (a) Second to the left (b) Third to the right
(c) Third to the left (d) Second to the right

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (d) : Sitting arrangement is as follows :



Hence, Chandan is sitting second to the right of Isha (Deen).

7. A team is to be selected from 13 players P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12 and P13. There will be seven players in the team. P2 cannot be selected with P1, P6 or P4. P7 cannot be selected with P2, P10, P11 or P13. If P8 and P13 both are selected, then P5 must be selected, P4 cannot be selected with P2, P6, P12 or P11. Which of the following is a correct selection of the team?

- (a) P1, P3, P4, P5, P8, P9, P13
(b) P1, P6, P11, P12, P13, P3, P4
(c) P2, P3, P5, P7, P8, P9, P13
(d) P1, P3, P4, P5, P6, P8, P9

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (a) : To be selected not selected

- P1, P6 or P4 P2
P2, P10, P11 or P13 P7
P2, P6, P12 or P11 P4
P8, P13, P5

The relation of P₃ and P₉ is not mentioned but there is a total of 7 people to be selected. Then both of them will be in the team.

P1, P3, P4, P5, P8, P9, P13

8. A company sold six different cars Swift, Santro, Creta, Audi, I10 and Magna during a period of Monday to Saturday. Only one car was sold on a particular day. No car was sold twice. Atleast four cars were sold after the car Santro. The car Magna was sold on Tuesday. The car Audi was sold immediately after the car Creta and car Creta was sold atleast before three cars. Both the cars Santro and I10 were sold atleast before one car. On which day was Swift car sold?

- (a) Monday (b) Friday
(c) Thursday (d) Saturday

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to question, representing the sale of cars in table.

Days	Mon	Tues.	Wed	Thr.	Fri.	Sat.
Cars						
Swift	×	×	×	×	×	√
Santro	√	×	×	×	×	×
Audi	×	×	×	√	×	×
Creta	×	×	√	×	×	×
I 10	×	×	×	×	√	×
Magna	×	√	×	×	×	×

It is clear from above table that the Swift car was sold on Saturday.

9. If $29 \text{ Q } 8 \text{ R } 56 = 176$ and $84 \text{ R } 5 \text{ Q } 13 = 19$, then $51 \text{ Q } 3 \text{ R } 46 = ?$

- (a) 94 (b) 109
(c) 132 (d) 107

RRB NTPC 13.03.2021 (Shift-II) Stage Ist

Ans. (d) : Just as,

$$29 \times 8 - 56 = 232 - 56 = 176 \quad \left[\begin{array}{l} \because Q = \times \\ R = - \end{array} \right]$$

$$\text{and } 84 - 5 \times 13 = 84 - 65 = 19$$

Similarly,

$$51 \times 3 - 46 = 153 - 46 = 107$$

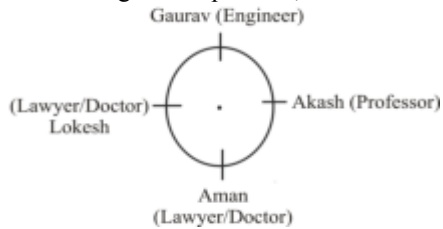
10. Four brothers Aman, Gaurav, Akash and Lokesh are at their family function sitting across a circular table. Their occupations are Lawyer, Doctor, Professor and Engineer. Lokesh who is not the Professor, starts a conversation about the on-going IPL and after him the Engineer gives a long discourse about the teams that should reach the play-offs. Aman who is sitting across the Engineer and next to the Professor responds to the Engineer's predictions. Akash speaks only at the end. Who is the Professor?



- (a) Akash (b) Lokesh
(c) Cannot be determined (d) Gaurav

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,



Hence, it is clear that, Akash is the Professor.

11. In a school there were 6 teachers. A and B taught Hindi and English. D and A taught Mathematics and Science. C and E taught English and Mathematics. F and B taught Hindi and French. Who taught the maximum number of subjects?

- (a) D (b) E
(c) A (d) B

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (c) :

Teacher	-	Subjects taught by him
A	-	Hindi, English, Maths, Science
B	-	Hindi, English, French
C	-	Math, English
D	-	Math, Science
E	-	English, Maths
F	-	Hindi, French

Hence teacher A taught maximum number of subjects.

12. Four students Amit, Bharat, Chandan and Danish went to four different colleges—BDS, IIMT, DPS and IMS—to take admission in four different courses namely, B.A, BBM, B.Sc and B.Com. The student who took admission in IIMT has not opted for BSc. Chandan took admission in IMS and has opted for BA. Amit took admission in BDS and has opted for BBM. Danish opted for BSc. Which student took admission in DPS?

- (a) Amit (b) Bharat
(c) Danish (d) Chandan

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (c)	B	D	S	IIMT	DPS	IMS	BA	BBM	BSc	B.Com
Amit	✓	×	×	×	×	×	×	✓	×	×
Bharat	×	✓	×	×	×	×	×	×	×	✓
Chandan	×	×	×	✓	✓	×	×	×	×	×
Danish	×	×	✓	×	×	×	×	×	✓	×

Hence it is clear from the above that Danish took admission in DPS.

13. Five students Radha, Sujit, Mihir, Anshul and Vikas have a total of five books on the subjects of Accountancy, Business Studies, Mathematics, Economics and English, written by authors Jain, Kohli, Das, Sharma and Edwin. Each student has only one book on one of the five subjects.

- Jain is the author of the Accountancy book, which is not owned by Vikas or Radha.
- Anshul owns the book written by Edwin.
- Mihir owns the Mathematics book.
- Vikas has the English book, which is not written by Kohli.
- The Economics books is written by Sharma.

- Identify the author of the Business Studies book.
(a) Das (b) Sharma
(c) Jain (d) Edwin

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (d) :

Student	Book	Author
Radha	Economics	Sharma
Sujeet	Accountancy	Jain
Mihir	Mathematics	Kohli
Anshul	Business Studies	Edwin
Vikas	English	Das

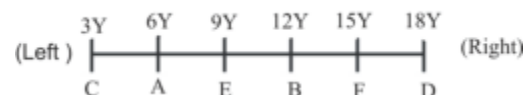
Hence, it is clear that Business Studies Book author is Edwin.

14. Six persons A, B, C, D, E and F are sitting in a row facing towards north (not necessarily in the same order). Their ages are in successive multiple of 3 from left to right end. B is second to the right of A. A is to the immediate left of E. Only three persons sit between C and F. The age of D is 18 years and the maximum. C sits to the left of E. What is the total age of A and B?

- (a) 18 years (b) 15 years
(c) 24 years (d) 12 years

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question –



∴ Total age of (A + B) = 12 + 6 = 18 years

15. There are three objects X, Y and Z, that have triangular, square and pentagonal shapes, have red, green and blue colours and are made up of different materials gold, silver and bronze such that, X is red but not square. Y is made up of silver but it is not green. X is made up of bronze and Z has a pentagonal shape. What is Z made up of?

- (a) Gold (b) Brass
(c) Bronze (d) Silver

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (a) :

Object	Material	Colour	Shape
X	Bronze	Red	Triangular
Y	Silver	Blue	Square
Z	Gold	Green	Pentagonal

Hence, Z is made up of gold.



16. There are five trucks A, B, C, D and E having different colours, i.e., blue, green, orange, red and brown not necessarily in that order. They are running on five different highways, i.e., H1, H2, H3, H4 and H5, not in the same order. A is on H4 and is not blue or brown. B is green and is not running on H3 or H5. C is blue and is not on H1. D is running on H1 and is not orange or brown. E is not running on H5 or H2. On which highway is E running?

- (a) H2 (b) H5
(c) H3 (d) H4

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (c) :		
Highway	Person	Colour
H ₁	D	Red
H ₂	B	Green
H ₃	E	Brown
H ₄	A	Orange
H ₅	C	Blue

Hence it is clear from the chart that E is running on highway H₃

17. Eight persons P, Q, R, S, T, U, V and W are going to their destination Delhi, Mumbai, Chennai, Hyderabad, Goa, Panji, Punjab and UP (not necessarily in the same order). Destination of no two persons is same. R is going to Goa. V is not going to Delhi, Mumbai or Punjab. S and T are going to UP and Panji respectively. P and Q are not going to Punjab or Mumbai. U is not going to Delhi or Mumbai. Which of the following combination is definitely correct?

- (a) W - Delhi (b) Q - Delhi
(c) P - Delhi (d) W - Mumbai

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (d) :	
Person	Destination
P	Delhi/Hyderabad/Chennai
Q	Delhi/Hyderabad/Chennai
R	Goa
S	UP
T	Panji
U	Punjab
V	Chennai/Hyderabad
W	Mumbai

Hence combination of option (d) is correct.

18. A, B, C, D, E and F are six school-going children. A and B are from the Red House and the others are from the Green House. D and F are tall, unlike the others. A, C and D are boys. Which of the following is a tall girl from the Green House?

- (a) F (b) D
(c) E (d) B

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (a) : A → Red House → Boy

B → Red House →

C → Green House → Boy

D → Green House → Boy → Tall

E → Green House →

F → Green House → → Tall

From the given arrangement, D and F are Tall and from green House and D is a Boy. Hence, F will be a tall girl from green house.

19. Huma's mother gave Huma 4 baskets of blueberries each labelled A, B, C, D. Each berry weight 5 g, except for the basket, which has all rotten berries, where each berry has a weight of 3 g. Huma took out 1, 2, 3 and 4 berries from the baskets A, B, C and D respectively and weighed them to be 44 grams. Which basket has the rotten berries?

- (a) Basket C (b) Basket A
(c) Basket B (d) Basket D

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (a) : Four baskets of blueberries A, B, C and D. Weight of each fresh blue berry respectively = 5 gm Among these baskets there is a basket that contains all the rotten blueberries. Weight of each blue berry = 3 gm According to the question,

Baskets	A	B	C	D
	1	2	3	4
Extracted	↓ × 5	↓ × 5	↓ × 3	↓ × 5
blueberries	5	10	9	20

$$44 = 44$$

$$L.H.S. = R.H.S.$$

Hence, all the blueberries in basket C are rotten.

20. There are five books - Biology, Chemistry, History, Maths and Physics - stacked vertically on a shelf. The colours of their covers, (not necessarily in the given order), are black, blue, red, white and yellow. The Chemistry book and the yellow book are at the extremes. The Physics book is not in the middle. The blue book and the Biology book are separated by two books. The Maths book is white and is not the second from either end. The cover of the black book is biology. The blue book is a neighbour of the red Physics book. Which of the following is one of the possible combination?

- (a) Chemistry - Blue - Number 1 from the left
(b) Physics - Red - Number 3 from the left
(c) Chemistry - Yellow - Number 5 from the left
(d) Maths - White - Number 4 from the left

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question, the order and colour of the books will be as follows-

Chemistry	Physics	Maths	Biology	History
↓	↓	↓	↓	↓
Blue	Red	White	Black	Yellow

Hence the fact given in option (a) will be correct.



21. A, B, C, D, E are five events which are to be performed on stage from Monday to Saturday, one event every day, not necessarily in the same order, with one day's rest in between. C will be performed on the immediately next day after D. The rest day is between A and E. There is a gap of 2 days between E and C. B is not on the last day and the rest day was not on Tuesday or Thursday. Ignoring the rest day, what was the order in which the events were performed?
- (a) BDCAE (b) BDCEA
(c) AEDCB (d) AEBDC

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (a) :

Day	Events
Monday	B
Tuesday	D
Wednesday	C
Thursday	A
Friday	Rest day
Saturday	E

Hence the sequence of events ignoring the holiday = BDCAE

22. In a park, eight girls are sitting in a row and they have worn different colours, namely black, blue, pink, white, red, green, yellow and brown, but they are not sitting in the same order. The girl who has worn yellow is fifth from the left end. The girl who has worn black is sitting between the one wearing yellow and the one wearing pink. The girl who is in white is second to the left of the girl who is in yellow. The girl who has worn blue is sitting at the extreme right. The girl in red is not sitting second from the left end. The girl in pink is sitting next to the one in blue. The girl in white is sitting between the one in brown and the one in red. Who is sitting at the left end of the row?
- (a) The girl in green (b) The girl in black
(c) The girl in pink (d) The girl in white

RRB NTPC 27.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question sitting arrangement is as follows.

left ————— right
green brown white red yellow black pink blue

The girl in green is sitting at the left end of the row.

23. A group of six persons has to be formed from among the Post Graduate Teachers (PGTs) P, Q, R, S and T and Trained Graduate Teachers (TGTs) A, B, C, D and E. There are some conditions of the persons for the group formation.
- B will join the group only with C.
A will not join with E or Q. D will not join with R.
Which of the following groups is possible?
- (a) PQSBCE (b) PRSABE
(c) RSTBCD (d) PQRBCD

RRB NTPC 05.04.2021 (Shift-I) Stage Ist

Ans. (a) : From the given option-

- (a) PQSBCE - Follows the all the given conditions.
(b) PRSABE - C is not in group.

(c) RSTBCD - D and R are both in group.

(d) PQRBCD - D and R are both in group.

Group given in option (a) follows the condition which is given in question. Therefore group of option (a) is possible.

24. Study the following information and answer question that follows.

Among six students, Anil and Bhupesh are from Subhash house while the rest belong to Shekhar house. Danish and Farooq are tall while the others are short. Anil, Charu and Danish wear glasses while the others do not.

Which student of Subhash house is short and wears glasses?

- (a) Bhupesh (b) Charu
(c) Ekant (d) Anil

RRB NTPC 06.04.2021 (Shift-I) Stage Ist

Ans. (d) :

Name of student	Height	House name	Wearing spectacles
Anil	short	Subhash	✓
Bhupesh	short	Subhash	✗
Danish	tall	Shekhar	✓
Farooq	tall	Shekhar	✗
Charu	short	Shekhar	✓
Ekant	short	Shekhar	✗

It is clear from table that Anil is short and from Subhash's house and wears the goggles.

25. Read the given information and answer the question that follows.

Sanjay and Neetu like Blue and Red colours. Priya and Neetu like Yellow and Blue colours. Sanjay, Manju and Kapil like Red and Blue colours. Neetu and Manju like Green and Blue colours. Which colour is liked by the maximum number of people?

- (a) Green (b) Yellow
(c) Blue (d) Red

RRB NTPC 06.04.2021 (Shift-I) Stage Ist

Ans. (c) :

Colour	Like of people
Blue	Sanjay, Neetu, Priya, Manju, Kapil
Red	Neetu, Sanjay, Manju, Kapil
Green	Neetu, Manju
Yellow	Priya, Neetu

It is clear from table that Blue colour is favourite of 5 people.

26. Gunjan, Sameer, Jack, Madhur and Shweta are teachers in a school. Sameer teaches English Computer and Science. Madhur teacher's English, Mathematics and Science, Music and Mathematics subjects are taught by Gunjan and Jack. Shweta does not teach Maths, Science and Music. Gunjan and shweta also teach Computer and English. Shweta is the only Social Studies teacher in the school. How many subjects are taught by teachers in total?

- (a) 5 (b) 4
(c) 7 (d) 6

RRB NTPC 06.04.2021 (Shift-II) Stage Ist

**Ans. (d) :****Teacher****Subjects**

Sameer	-	English, Computer, Science
Madhur	-	English, Maths, Science
Gunjan	-	Music, Math, Computer, English
Jack	-	Music, Maths
Shweta	-	Computer, English, Social Study

Therefore, it is clear from the above that a total of 6 subjects are taught by the teachers.

27. On the basis of the given information answer the following question. Sahil and Manish play Ludo and Cricket. Manish and Salini play Cricket and Badminton. Raja, Tarun and Shalini play Badminton and Kabaddi. Shalini and Sahil play Badminton and Kabaddi. Who among the following plays Badminton, Cricket and Kabaddi but does not play Ludo?

- (a) Tarun (b) Shalini
(c) Sahil (d) Manish

RRB NTPC 06.04.2021 (Shift-II) Stage Ist**Ans. (b) :**

	Ludo	Cricket	Badminton	Kabaddi
Sahil	✓	✓	✓	✓
Manish	✓	✓	✓	
Shalini		✓	✓	✓
Raja			✓	✓
Tarun			✓	✓

According to the above table Shalini plays Badminton, Cricket and Kabaddi but does not play Ludo.

28. P, Q, R, S, T, U and V are students who have exams on different days of the same week, starting on Monday and ending on Sunday. No two students have exams on the same day.

P's exam is on one of the days after Thursday. Q's exam is on the day immediately after P's exam. Three students have exams between Q and V. R has the exam on one of the days before V, but not on Monday. S has the exam immediately before T.

On which day does U have the exam?

- (a) Monday (b) Friday
(c) Saturday (d) Tuesday

RRB NTPC 26.07.2021 (Shift-I) Stage Ist**Ans. (a) :**

U	→	Monday
R	→	Tuesday
V	→	Wednesday
S	→	Thursday
T	→	Friday
P	→	Saturday
Q	→	Sunday

U have exam on Monday.

29. Six girls P, Q, R, U, V and W are sitting in the school ground. P and Q are from Maitri house, while other are from Gargi House. U and W are short, while the other girls are tall. P, R and U are wearing caps while others are not. Which tall girl from Gargi House is not wearing a cap?

- (a) W (b) Q
(c) V (d) P

RRB NTPC 29.12.2020 (Shift-II) Stage Ist**Ans. (c) :** Girls of the Maitri House = P and Q

Girls of the Gargi House = R, U, V and W

Short girls = U and W

Tall girls = P, Q, R and V

Number of girls who are wearing cap = P, R and U

Number of girls who is not wearing cap = Q, V and W

Hence it is clear that 'V' of the Gargi House is tall girl who is not wearing cap.

30. Seven chocolates, A, B, C, D, E, F and G, are bought at different costs between ₹40 and ₹50 (excluding both ₹40 and ₹50) but not necessarily in the same order. The cost of chocolate C is ₹5 less than that of chocolate E. The cost of chocolate A is a prime number. The cost of chocolate F is ₹2 more than that of chocolate A. The cost of chocolate F is more than that of chocolate E. The cost of chocolate D is an odd number. The cost of chocolate G is ₹3 more than the cost of chocolate D. None of the chocolates cost ₹44. The cost of chocolate B is an even number. What is the cost of chocolate E?

- (a) ₹ 45 (b) ₹ 47
(c) ₹ 46 (d) ₹ 42

RRB NTPC 08.01.2021 (Shift-I) Stage Ist**Ans. (c) :** According to question,

Chocolate	Cost
A	47
B	42
C	41
D	45
E	46
F	49
G	48

Hence from the statement it is clear that the price of chocolate E is ₹46.

31. Six persons— Seema, Vaibhav, Ajay, Manisha, Tulika and Ananya— were born in six different states, namely Assam, Gujarat, Madhya Pradesh, Punjab, Bihar and Rajasthan, but not necessarily in the same order. They all play six different games, namely Chess, Football, Hockey, Ludo, Badminton and Cricket, but not necessarily in the same order. Ananya was born in Gujarat and she plays Cricket. Ajay does not play Chess or Ludo. The person who was born in Bihar plays Football, Seema plays Hockey and she was not born in Assam or Madhya Pradesh. Manisha was born in Rajasthan and she plays Badminton.

Identify the state in which Ajay was born?

- (a) Assam (b) Punjab
(c) Madhya Pradesh (d) Bihar

RRB NTPC 08.01.2021 (Shift-I) Stage Ist



Ans. (d) : According to the question –

Persons	States	Sports
Seema	Punjab	Hockey
Vaibhav	Assam/MP	Chess/Ludo
Ajay	Bihar	Football
Manisha	Rajasthan	Badminton
Tulika	Assam/MP	Chess/Ludo
Ananya	Gujarat	Cricket

Hence it is clear that Ajay was born in Bihar.

32. Ram has 5 cars which he uses for travel from his home to his office from Monday to Friday. He drives Skoda on the next day after the day he drives Honda and Honda is not used on Tuesday and Wednesday. He drives Nissan on the last working day. He does not drive Tata and Maruti on Monday. Then which car does he drive on Monday?
- (a) Nissan (b) TATA
(c) Honda (d) Skoda

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to given conditions–

Honda	→	Monday
Skoda	→	Tuesday
Maruti/Tata	→	Wednesday
Maruti/Tata	→	Thursday
Nissan	→	Friday

Hence, Ram drives Honda on Monday.

33. Height of seven girls A, B, C, D, E, F and G are compared. Height of D is more than atleast four girls but she is not the tallest. Height of A is more than B and F and height of F is less than E. Height of A is less than D. Height of G is more than C and D both. Which of the following statement is NOT correct?
- (a) G can be second tallest
(b) G can be fifth tallest
(c) A can be fifth tallest
(d) C can be fourth tallest

RRB NTPC 21.01.2021 (Shift-I) Stage Ist

Ans. (b) : Height of seven girls order is as follows -

$G > C > D > A > B > E > F$

Hence it is clear from the above height order G can not be fifth tallest.

34. A team is to be selected from 9 players A, B, C, D, E, F, G, H and M. There will be six players in the team. A cannot be selected with B. G cannot be selected with H. H and A should be in the same team. E cannot be selected with F. C cannot be selected with H but always must be selected with D. Which of the following is a correct selection of the team?
- (a) B, C, D, E, G and M (b) A, D, G, E, C and H
(c) A, C, D, E, G and M (d) B, C, D, E, H and M

RRB NTPC 21.01.2021 (Shift-I) Stage Ist

Ans. (a) : (i) A H F

(ii) B G E C D M

Since M is not mentioned in the question, So he will have to sit in second condition to complete the team.

Hence, as per selection of the team option (a) is proper sequence, which is in accordance with all conditions of question.

35. Read the given paragraph and answer the question.

There are five persons A, G, M, J and D. Every person has to select one item each from a box containing items numbered from 1 to 5. A and J selected items 5 and 2 respectively. G cannot select item 3, while M cannot select item 3 or 5. Which item can G select?

- (a) Item 2 or 3 (b) Item 2
(c) Item 1 or 4 (d) Item 3 or 4

RRB NTPC 21.01.2021 (Shift-I) Stage Ist

Ans. (c) : According to question,

Person	Selected items
A →	5
J →	2
G →	1/4
M →	4/1
D →	3

Hence, the item selected by G will be either '1' or '4'

36. Read the information and answer the question given below:

Five friends are working in a company. Kapil, Shiva and Hari are intelligent.

Kapil, Ravi and Jitin are hard working.

Ravi, Hari and Jitin are honest.

Which of the following person is neither honest nor hardworking but is intelligent?

- (a) Shiva (b) Kapil
(c) Hari (d) Jitin

RRB NTPC 29.01.2021 (Shift-I) Stage Ist

Ans. (a) : Kapil	→	Intelligent & Hard working
Shiva	→	Intelligent
Hari	→	Intelligent & honest
Ravi	→	Honest & hard working
Jitin	→	Honest & hard working

Shiva is neither honest nor hard working but he is intelligent.

37. A team of 5 member is to be selected from 5 men M1, M2, M3, M4 and M5 and 6 women W1, W2, W3, W4, W5 and W6. M5 cannot be selected with W4 or M4. M2 must be selected with M5. M1 cannot be selected with M3. W6 cannot be selected with M2, or W1 or W2. W5 cannot be selected with W6 or W2 or M2. If there are atleast three women in the team. Then which of the following is a correct selection of the team?

- (a) M2, W2, W4, M5, W6
(b) M2, W3, M5, M3, W2
(c) M1, W5, W4, M4, W3
(d) M1, W2, W4, W6, M3

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (c) : The team mentioned in option (c) follows all the conditions. Therefore option (c) team is correct.

From other option –

Option A team has selected W6 with W2 which is against the condition.



Option B team has 2 women which is against the condition.
Option D team has selected W6 with W2 which is against the condition.

38. Each of the six person A, B, C, D, E and F like one of six different colours, viz, red, green blue, black, orange and white but not necessarily in that order. Each of them also own a home in one of six different cities, viz, Delhi, Mumbai, Hyderabad, Chennai, Bangalore and Kolkata, but not necessarily in the same order. A has a home in Delhi but he does not like orange and white colours. B does not like blue and black colours and does not live in Mumbai. F has a home in Bangalore and like red colour. D has a home in Hyderabad and likes either blue or black colour. C like green colour and lives in Chennai E like orange colour.

Who lives in Kolkata and likes white colour?

- (a) A (b) B
(c) D (d) E

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (b) :

Person	Favourite Colour	Home
A	Black/Blue	Delhi
B	White	Kolkata
C	Green	Chennai
D	Blue/Black	Hyderabad
E	Orange	Mumbai
F	Red	Bangalore

Hence B is the one who likes white colour and lives in Kolkata.

39. Five men A, B, C D and E are married to five women P, Q, R, S and T (not necessarily in the same order). These men like one shirt among five different colours: red, green, black, yellow and pink (not necessarily in the same order). One man is married to only one woman and likes only one shirt. No two men are married to the same women and does not like the same shirt. C is married to P and does not like black shirt. D likes pink shirt. R is married to E. E does not like green and black shirt. A likes green shirt but he is not married to Q or T. B is not married to T.

Which of the following combination of man, woman and Shirt's colour is correct?

- (a) C - P-Yellow (b) E - R-Yellow
(c) B - Q-Black (d) D - Q-Pink

RRB NTPC 04.02.2021 (Shift-II) Stage Ist

Ans. (c) :

Pairs (Husband/wife)	Like colour
C = P	Yellow or Red
E = R	Red or yellow
A = S	Green
B = Q	Black
D = T	Pink

Hence it is clear from above combination that the combination given in option (c) will be the right combination.

40. Rohan and Kundan are good in History and Sanskrit. Shyam and Rohan are good in Mathematics and History. Gopal and Kundan are good in Science and Sanskrit. Shyam, Gopal and Mohan are Good in Mathematics and Arts. On the basis of above information answer the question. Who is good in History, Science and Sanskrit?

- (a) Kundan (b) Gopal
(c) Rohan (d) Shyam

RRB NTPC 04.02.2021 (Shift-II) Stage Ist

Ans. (a) : According to the given information

Subjects					
Name	History	Math	Sanskrit	Science	Art
Rohan	✓	✓	✓	×	×
Kundan	✓	×	✓	✓	×
Shyam	✓	✓	×	×	✓
Gopal	×	✓	✓	✓	✓
Mohan	×	✓	×	×	✓

It is clear from the above that Kundan is good in History, Science and Sanskrit.

41. Seven persons A, B, C, D, E, F and G work as clerk, PO, IT officer, economist, doctor, lawyer and driver (not necessarily in the same order). No two persons have the same business. C works as a Clerk. A does not work as an economist or a doctor. E is not an economist or a doctor. B does not work as a driver or economist or doctor or PO. F works as an IT officer. D is not a doctor or PO.

Who among the following could be working as a PO?

- (a) B (b) A
(c) G (d) D

RRB NTPC 04.02.2021 (Shift-II) Stage Ist

Ans. (b) : Making the probable table according to question and options—

Name	Occupation						
	Clerk	PO	It officer	Economist	Doctor	lawyer	Driver
C	✓	×	×	×	×	×	×
A	×	✓	×	×	×	×	×
E	×	×	×	×	×	×	✓
B	×	×	×	×	×	✓	×
F	×	×	✓	×	×	×	×
D	×	×	×	✓	×	×	×
G	×	×	×	×	✓	×	×

Since according to question A and E can work as PO but E is not in options so A will work as a P.O. Then E will work as a driver.

42. Lectures A, B, C, D, E and F are to be organized in a span of seven days from Monday to Sunday, only one lecture on each day. One lecture have to be organized only once. One day there will be no lecture. C should be organized immediately before D. E should be before D and there should be gap of two days between E and D. D should



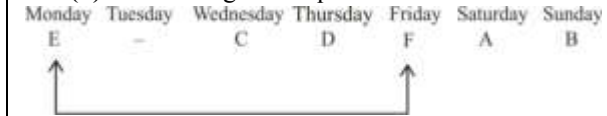
be organized before Friday. No lecture should be organized immediately after E. A should be organized on Saturday. F should not be organized on last day.

How many lectures are organized between F and E?

- (a) Four (b) Two
(c) One (d) Three

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question—



Hence, there are 2 lectures are organized between F and E.

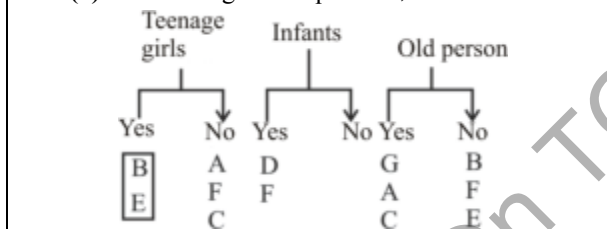
43. A, B, C, D, E, F and G are the names of two teenage girls, two infants and three old men. B, F and E are not old men. A, F and C are not teenage girls. G is an old man while D is an infant.

Which of the following are two teenage girls?

- (a) B and E (b) A and E
(c) F and E (d) B and F

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question,



44. Study the following information and answer the question given below it
Lee, Bruce and Chan are caring.
Min, Chan and Ho are sensitive.
Bruce, Ho and Min are honest.
Lee, Min and Ho are creative.
Which one of the following persons is neither honest nor creative?

- (a) Bruce (b) Lee
(c) Chan (d) Min

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (c) :

Lee	Bruce	Chan	Min	Ho
↓	↓	↓	↓	↓
Caring	Caring	Caring	Sensitive	Sensitive
Creative	Honest	Sensitive	Creative	Honest
			Honest	Creative

It is clear that Chan is a person who is neither honest nor creative.

45. Answer the question given below based on the given information.
A jeweler has five gold articles 'P', 'Q', 'R', 'S' and 'T' each of which weighs differently.
'T' weight thrice as much as 'S'

'S' weight four times as much as 'R'

'R' weight half as much as 'Q'

'Q' weight half as much as 'P'

'P' weight less than 'T' but more than 'R'

Which of the following gold articles is the lightest in weight?

- (a) S (b) R
(c) T (d) P

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (b) : Let weight of P is x.

As per given facts

$$P = x$$

$$Q = x/2$$

$$R = x/4$$

$$S = 4 \times \frac{x}{4} = x$$

$$T = 3x$$

Therefore, decreasing order of weight follows as—

$$T > P = S > Q > R$$

Hence, R is lightest in weight.

46. Each of the six friends A, B, C, D, E and F is reading one book among the book G, H, I, J, K and L in a reading program. A and B are not reading books G, J and L. F is reading book H. B, C and D are not reading the book I and L. Which book is being read by A?

- (a) J (b) G
(c) K (d) I

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (d) :

	Reading program					
	G	H	I	J	K	L
A	×		✓	×		×
B	×		×	×	✓	×
C			×			×
D			×			×
E						✓
F		✓				

It is clear from above table that student A is reading book 'I'.

47. Read the given information carefully and answer the question that follows.

Five children P, Q, R, S and T are wearing different coloured clothes red, yellow, pink, green and purple but not necessarily in the same order. Each one like only one fruit out mangoes, bananas, grapes, apples, and pears. R is in red clothes. Q does not like bananas and grapes. S likes apples and he is in purple clothes. The child in pink coloured clothes like bananas. T likes mangoes, but is not in green or pink clothes. R likes grapes. Who likes pears?

- (a) S (b) R
(c) Q (d) P

RRB NTPC 15.03.2021 (Shift-I) Stage Ist



Ans. (c) :

Children	Colour of clothes	Fruit of Choice
P	Pink	Banana
Q	Green	Pears
R	Red	Grapes
S	Purple	Apple
T	Yellow	Mango

It is clear from the table that Q likes Pears.

48. A team of 5 members is to be selected from 6 men A, B, C, D, E and F and 6 women P, Q, R, S, T and U. C and U have to be selected together. If B is selected, then neither U nor Q can be selected. Among A, B, S and T exactly two persons are to be selected. If E is selected, then neither S nor B can be selected. If A is selected, then B will be selected. Which of the following is the correct selection of the team?

- (a) C, A, B, P, R (b) C, U, A, B, S
(c) P, R, S, T, D (d) P, R, A, B, S

RRB NTPC 01.04.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question-

C=U (will be selected together)

B ≠ U, Q

Two persons are to be selected from A, B, S, T

E ≠ S, B

A=B (will be selected together)

By option:

- option (a) does not contain U with C and hence is wrong.
- In option (b) 2 is to be selected out of A, B, S, T whereas it has 3 and hence is wrong.
- In option (d), 2 is to be selected out of A, B, S, T whereas it has 3 and hence is wrong.

Hence, option (c) is correct.

49. 6 Women W₁, W₂, W₃, W₄, W₅ and W₆ lives in different hotel P, Q, R, S, T and W (not necessarily in the same order). No two women live in same hotel. One woman live in only one hotel. W₄ does not live in hotel P or R. W₃ and W₆ live in S and W respectively. W₁ does not live in T or R. W₅ does not live in R or P.

Which of the following combination of woman and hotel is definitely true

- (a) W₄ - T (b) W₂ - P
(c) W₅ - T (d) W₁ - P

RRB NTPC 01.04.2021 (Shift-I) Stage Ist

Ans. (d) :

	W ₁	W ₂	W ₃	W ₄	W ₅	W ₆
P	✓	×	×	×	×	×
Q	×	×	×	✓	×	×
R	×	✓	×	×	×	×
S	×	×	✓	×	×	×
T	×	×	×	×	✓	×
W	×	×	×	×	×	✓

It is clear that W₄ and W₅ will live in either Q or T, hence, it is certain that W₁ will sit in P.

50. Among the six management professors O, P, Q, R, S and T each teaches two subjects one major and one minor. R teaches finance as a secondary subjects while three other professor teach it as a major subjects. T teaches operation as a major subject while Q and S teach it as a minor subject. O and R teach the same subject finance and IT. S and T teaches Marketing. Only one professor teaches strategy as a secondary subject. Which secondary subject does P teach?

- (a) Finance (b) Strategy
(c) Operations (d) IT

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question-

	Major Subject	Minor Subject
O →	Finance	IT
P →	Finance	Strategy
Q →	Finance	Operation
R →	IT	Finance
S →	Marketing	Operation
T →	Operation	Marketing

Hence, it is clear from above P teaches strategy as secondary subject.

51. Seven friends P, Q, R, S, T, U and V were born in seven different months March, April, June, July, August, September and December their being in the same order is not mandatory. R was born in a month which has less than 31 days but before August. Only three friends were born After T, U was born immediately before V but after T more than three friends were born between P and S. R was not born immediately before T and T was born before S. How many friends were born between Q and S?

- (a) Five (b) Three
(c) Two (d) Four

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (b) :

P	-	March	-	31
R	-	April	-	30
Q	-	June	-	30
T	-	July	-	31
U	-	August	-	31
V	-	September	-	30
S	-	December	-	31

It is clear that between Q & S three friends took birth.

52. Based on the results of the five highest scoring students the class teacher concludes that Lokesh and Sumit are good at Insurance and Banking, Arun and Lokesh are good at Accounts and Banking. Arun, Pankaj and Surendra are good at Economics and Accounts. Surendra and Arun are good at Geography and Accounts and Pankaj and Sumit are good at Economics and Insurance. Who is good at Insurance Accounts and Economics.

- (a) Sumit (b) Surendra
(c) Pankaj (d) Arun

RRB NTPC 23.07.2021 (Shift-II) Stage Ist



Ans. (c) :

Subject	Insurance	Banking	Accounts	Economics	Geography
Lokesh	✓	✓	✓		
Sumit	✓	✓		✓	
Arun		✓	✓	✓	✓
Pankaj	✓		✓	✓	
Surendra			✓	✓	✓

It is clear from the table that Pankaj is good at Insurance, Accounts and Economics.

53. There are six toys arranged one above the other in form of a stack, the lowermost is numbered 1 and the toy above it as 2 and so on. Each toy is of a different colour Purple, Pink, White, Yellow, Red and Grey. Purple toy is at the even position but not at the top. Red toy is not adjacent to white or yellow toy. Grey toy is at the 5th position. There are two toys between pink and white toy where pink toy is above the white one. White toy is not at the bottommost position. At which position is the Pink toy?
- (a) 3rd (b) 4th
(c) 6th (d) 2nd

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question- Toys arrangements are as follows,

6	→ Pink
5	→ Grey
4	→ Yellow
3	→ White
2	→ Purple
1	→ Red

Hence, Pink toy position is 6th

54. There are six toys arranged one above the other in form of a stack, the lowermost is numbered 1 and the toy above it as 2 and so on. Each toy is of a different colour Purple, Pink, White, Yellow, Red and Grey. Purple toy is at the even position but not at the top. Red toy is not adjacent to white or yellow toys. Grey toy is at the 5th position. There are two toys between pink and white toy where pink toy is above the white one. White toy is not at the bottommost position. Which toy among the following options is at an odd position?
- (a) Pink toy (b) Purple toy
(c) White toy (d) Yellow toy

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question-

6	– Pink
5	– Grey
4	– Yellow
3	– White
2	– Purple
1	– Red

Hence, from above it is clear that white toy is in odd position.

55. Six persons A, B, C, D, E and F are going to any one place among six different places Delhi, Mumbai, Punjab, Odisha, Goa and UP (not necessarily in the same order). No two persons are going to the same place. B is not going to Delhi. E is going to Odisha. F is not going to Delhi and Goa. D is going to Mumbai. A and C are not going to UP. A is not going to Delhi. Who is going to Delhi?

(a) C (b) E (c) A (d) B

RRB NTPC 19.01.2021 (Shift-II) Stage Ist

Ans. (a) :

Person	City to go	City to not go
A	→	Delhi, UP
B	→	Delhi
C	→	UP
D	→ Mumbai	→
E	→ Odisha	→
F	→	Delhi, Goa

It is clear from the above that A, B and F is not going to Delhi and D and E have already decided which is Odisha and Mumbai respectively. So, C is left and he will go to Delhi.

56. In a workshop, there are five workers - A, V, N, J and S each go to work only once in a week. The workshop operates for 5 days a week. N goes on Monday. A and V go on consecutive days. A goes the next day to that of N. There is a gap of two days between the days on which A and J go to work. On which of the given days would S be going to the workshop?
- (a) Wednesday (b) Friday
(c) Thursday (d) Monday

Ans. (c) :

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Workers					
A	×	✓	×	×	×
V	×	×	✓	×	×
N	✓	×	×	×	×
J	×	×	×	×	✓
S	×	×	×	✓	×

Hence, S will go to the workshop on Thursday.

57. There are six members in a family i.e. K, L, W, X, M and Z. Each has a car of different colour. L has a white car. W does not have a black or yellow car. M has a red car and K does not have a blue car. Z has a brown car. Which of the following is the colour of W's car?
- (a) Red (b) Blue
(c) Black (d) Yellow

RRB NTPC 25.01.2021 (Shift-II) Stage Ist

Ans. (b) :

Members	Colour					
	Black	Blue	Red	Brown	White	Yellow
K	✓	×	×	×	×	×
L	×	×	×	×	✓	×
W	×	✓	×	×	×	×
X	×	×	×	×	×	✓
M	×	×	✓	×	×	×
Z	×	×	×	✓	×	×

Therefore it is clear that W has Blue colour car.



58. Seven students A, B, C, D, E, F and H gives a test. No two students get same marks. A gets more marks than B. H gets more marks than A. Only two students get more marks than C. D gets more marks than C and B but D doesn't get the highest marks

If B did not get the lowest marks, then which of the following sequence of their marks is possible.

- (a) $H > D > C > B > E > F > A$
 (b) $F > D > C > E > H > B > A$
 (c) $H > D > C > E > A > B > F$
 (d) $E > C > D > H > A > B > F$

RRB NTPC 03.02.2021 (Shift-I) Stage Ist

Ans. (c) : Order of their marks as per given informations is as follows

$H > D > C > E > A > B > F$

Hence, option 'c' will be correct.

59. I have four cans of paint-pink, blue, green and tan, manufactured by Garden, Hartley, Finesse and Indiana, not necessarily in the same order. One is an automobile paint, one is for marine application, the third is for doors and interiors and the fourth for exteriors. The green, which is not for interiors, is from Hartley. Indiana makes the blue paint and the pink is for automobiles. The exterior paint is produced by Finesse. Which company manufactures the tan paint ?

- (a) Hartley (b) Indiana
 (c) Finesse (d) Garden

RRB NTPC 15.02.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,

Company	Colour	Application
Hartley	Green	Marine
Finesse	Tan	Exterior
Indiana	Blue	Interior
Garden	Pink	Automobiles

Hence, Finesse company manufactures the Tan colour.

60. Four cricketers, David, Rashid, Vijay and Kamal of the national team represent Kerala, Punjab, Maharashtra and West Bengal though not necessarily in that order. We have the following information about them:

- Two of them are bowlers and two are batsmen
 - David is from Kerala and Rashid is not from Punjab but he is a bowler
 - One of the batsmen is a Maharashtra but Vijay is neither a batsman nor is from Maharashtra.
 - The Kerala player is not a bowler
- Which of the following is a batsman-bowler pair?

- (a) Vijay - David (b) Rashid - Kamal
 (c) Vijay - Rashid (d) David - Vijay

RRB NTPC 15.02.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question,

Name	State	Profession
David	Kerala	Batsman
Kamal	Maharashtra	Batsman
Vijay	Punjab	Bowler
Rashid	West Bengal	Bowler

Hence the pair of batsman-bowler is David-Vijay.

61. A, B, C and D, members of a library, borrow books in Bengali, Gujarati, Tamil and Urdu, each of a different genre (biography, essay, novel and play). The essays and plays are in Bengali and Urdu respectively. A does not read Urdu or Tamil. B borrowed neither the Biography nor the Gujarati book D who reads Tamil is not interested in plays. C and A borrowed Bengali book and a novel respectively. Which of the following language-genre combinations is correct with respect to the given information ?

- (a) Tamil- Essay
 (b) Gujarati - Biography
 (c) Tamil - Biography
 (d) Gujarati - Play

RRB NTPC 15.02.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,

Member	Language	Genre
C	Bengali	Essay
B	Urdu	Play
D	Tamil	Biography
A	Gujarat	Novel

Hence, it is clear that Tamil language and Biography genre combination is correct.

62. Six gloves are placed on a table side by side labelled P, Q, R, S, T and U. T, U and S are rubber gloves, whereas the others are woollen. Three gloves – S, P and Q – are of green colour, whereas the rest are black in colour. Gloves Q, S and U are the gloves gifted by someone, whereas the others are bought.

Which of the following is a black, rubber glove that has NOT been gifted?

- (a) S (b) T
 (c) U (d) R

RRB NTPC 01.03.2021 (Shift-I) Stage Ist

Ans. (b) :

P → Green coloured → Woolen → Bought

Q → Green coloured → Woolen → Gifted

R → Black coloured → Woolen → Bought

S → Green coloured → Rubber → Given as gift

T → Beside → Black coloured → Rubber → Bought

U → Beside → Black coloured → Rubber → given as gift

So it is clear from the above that T gloves is a black colour Rubber, which is not given as a gift.

63. Five members A, B, C, D and E have different heights. They play one among different games namely cricket, football, chess, tennis and volleyball. No two members play same game. A is shorter than only two members and plays football. The tallest member among them plays chess. B is taller than E but shorter than D. E plays Tennis and he is not the shortest. Who among them plays chess?

- (a) B (b) C
 (c) D (d) E

RRB NTPC 03.04.2021 (Shift-I) Stage Ist



Ans. (c) : Order of members,



Hence, player D is the tallest and plays Chess.

64. Group captain is selecting 5 members out of A, B, C, D, E, F, P, Q, R and T for his team. A, E and F can only be selected together. If B is selected, then neither Q nor D can be selected. C cannot be selected with E or F. Only one can be selected from B or T.

Which of the following selection is correct?

- (a) D, P, R, C, Q (b) A, B, C, E, F
(c) B, P, R, C, T (d) A, B, E, P, R

RRB NTPC 03.04.2021 (Shift-I) Stage Ist

Ans. (a) : A, B, C, E, F → The given statement is false as C cannot be chosen along with E, F.

B, P, R, C, T → The given statement is false as only one of B or T will be chosen.

A, B, E, P, R → The given statement is false as A, E and F can be chosen only together.

Hence, option (a) is correct which is D, P, R, C, Q.

65. There is a group of five friends R, S, T, U and V. They are planning to spend their Sunday. One of them wants to go on a picnic; One wants to go to play cricket; One wants to go to zoo; One wants to go to a coffee shop and one wants to go to a movie.

- R neither wants to go for picnic nor goes to coffee shop.
- S does not like to play or watch cricket.
- One of T and V, these want to go for picnic.
- U wants to visit the zoo.
- V loves coffee and goes to coffee shop every Sunday.

Who among these wants to go to see a movie ?

- (a) S (b) T
(c) R (d) V

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question,

Friend	Name of place				
	Picnic	Cricket	Zoo	Coffee shop	Film
R	×	✓	×	×	×
S	×	×	×	×	✓
T	✓	×	×	×	×
U	×	×	✓	×	×
V	×	×	×	✓	×

Therefore, it is clear from rectangular graph that S wants to go see film.

66. Study the given information carefully and answer the question that follows. The following eligibility criteria are required to be fulfilled by the candidates for the prescribed recruitment

process for the post of Assistant Teacher (Social Science) for secondary classes:

- (i) He/she should be a graduate in Geography, History, Economics, Political Science and Public Administration (Any two subjects).
- (ii) He/she must have passed B. Ed degree in first class.
- (iii) He/She should have 8 years teaching experience at primary level or 3 years teaching experience at secondary level.
- (iv) He should have good command over Hindi and English.

Information about a candidate is given. On the basis of the given information, you have to decide under which criteria that candidate is eligible for selection. Please note that a person may be eligible under more than one criteria. you do not have to guess anything other than the information given in the question.

Manisha has completed her graduation with History and Economics subjects. He has 10 years teaching experience at pre-primary level. He is very proficient in speaking English as well as Hindi.

- (a) Qualifies/eligible under iii and iv only
- (b) Eligible under i and iv only
- (c) Eligible under i and ii only
- (d) Eligible under ii and iv only

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (b) : After reading the given information, it is clear that the candidate will need information (i) and information (iv) to be selected. Hence option (b) is correct.

67. Study the given information carefully and then answer the given question. Following are the eligibility criteria to become a member of a library :

- (i) The applicant should be able to pay a one-time membership fee of Rs. 10,000 and contribute two books worth Rs. 500.
- (ii) If the applicant donates books worth a total of Rs. 5000, then he/she is given a discount of up to 50% in one-time membership fee.
- (iii) For school students, membership fee is waived up to the age of 18 years.
- (iv) If in-service teachers of the schools help 20 students to become members of the library, they need to pay only Rs. 2000.
- (v) Membership of the library is free of cost for serving defense personnel and their dependents. Data/Information about a person is given. On the basis of the given information, you have to decide under what criteria that person is eligible for membership. Please note that a person may be eligible under more than one criteria.

You do not have to guess anything other than the information given in the question.

MS. D is a teacher in a school. She is ready to contribute 20 books worth ₹5000 and help 18 students get library memberships as well as pay a membership Fee of ₹2000.



- (a) Only eligible under (iv)
 (b) Only eligible under (iii)
 (c) Not eligible
 (d) Only eligible under (iii) and (iv)

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (c) : The given information about Miss D does not satisfy to criteria of the question. So, she does not has eligibility to became a member of library.
 Hence, option (c) is correct.

- 68. Anuj, Ankit, Anu and Alka are teachers who teach Biology, History and Mathematics. Biology is the only subject taught by two teachers, one of whom is male. Two of the four are married to each other and they teach History and Biology respectively. Ankit teaches Biology and is unmarried.**

Which subject does Anuj teach ?

- (a) Mathematics (b) Biology
 (c) Cannot be determined (d) History

RRB NTPC 20.01.2021 (Shift-II) Stage Ist

Ans. (d) According to the question—

Teachers	Subjects	Marital Status
Anuj	History	Married
Ankit	Biology	Unmarried
Anu/Alka	Biology	Married
Alka/Anu	Maths	Unmarried

Hence, it is clear that Anuj teaches History.

- 69. Sophia and Rohan play Badminton and Football. Dinesh and Rahul play Cricket and Volleyball. Rohan and Naveen play Hockey and Cricket. Who does NOT play Cricket?**
 (a) Naveen (b) Rohan
 (c) Dinesh (d) Sophia

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (d) : On arranging according to the question,
 Sophia = Badminton, Football
 Rohan = Badminton, Football, Hockey, Cricket.
 Dinesh = Cricket, Volleyball
 Rahul = Cricket, Volleyball
 Naveen = Hockey, Cricket
 Hence, Sophia does not play Cricket.

- 70. Gunjan and Sophia play Badminton and Football. Sonu and Ravi play Cricket and Volleyball. Sophia and Monika play Hockey and Cricket. Which game is played by maximum number of people?**

- (a) Volleyball (b) Cricket
 (c) Football (d) Badminton

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question,
 Gunjan = Badminton, Football
 Sophia = Football, Badminton, Hockey, Cricket
 Sonu = Cricket, Volleyball
 Ravi = Volleyball, Cricket
 Monika = Cricket, Hockey
 Hence, Cricket is played by maximum number (4) of the people.

- 71. Five friends, A, B, C, D and E work as a Doctor, Lawyer, Businessman, Engineer and Cook and live in Delhi, Mumbai, Goa, Panji and Punjab (not necessarily in the same order). The profession of no two friends is same and no two friends live at the same place. A works as a Cook but does not live in Goa and Panji. B and D live in Delhi and Mumbai respectively. C works as a lawyer. Doctor lives in Goa. Which of the following combination is definitely TRUE?**

- (a) D - Mumbai - Engineer
 (b) B - Delhi- Businessman
 (c) C - Panji - Lawyer
 (d) A - Panji - Cook

RRB NTPC 28.01.2021 (Shift-II) Stage Ist

Ans. (c) :	According to the question, sequence is as follows,				
Person	A	B	C	D	E
State	Punjab	Delhi	Panji	Mumbai	Goa
Work	Cook	Businessman or Engineer	Lawyer	Buisnessman or Engineer	Doctor

- 72. Vimal and Kamal are good at Piano and Guitar, Rima and Sima are good at Hockey and Guitar, Rima, Komal and Rina are good at Hockey and Chess. Rina and Rima are good at Piano and Badminton. Komal and Sobha are good at Chess and Piano. Who is good at Hockey, chess and Badminton but NOT at Guitar?**

- (a) Komal (b) Sima
 (c) Rina (d) Rima

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,
 Vimal + Kamal – Piano, Guitar
 Rima + Sima – Hockey, Guitar
 Rima + Komal + Rina – Hockey, Chess
 Rima + Rina – Piano, Badminton
 Komal + Sobha – Chess, Piano

Hence, Rina is good at Hockey, Chess and Badminton but not at Guitar.

- 73. Read the following information and answer the question that follows.**

- Rohit, Shobhit and Manu play Volleyball, Tennis and Kho-Kho.
- Rohit, Ashu and Manu play Volleyball, Tennis and Badminton.
- Rohit, Shobhit, Dilip and Manu play Kho-Kho and Tennis.

Which game is played by all the boys?

- (a) Tennis (b) Kho-Kho
 (c) Badminton (d) Volleyball

RRB NTPC 03.02.2021 (Shift-II) Stage Ist



Ans. (a) : According to the question-

Boys	Volleyball	Tennis	Kho-Kho	Badminton
Rohit	✓	✓	✓	✓
Shobhit	✓	✓	✓	×
Manu	✓	✓	✓	✓
Ashu	✓	✓	×	✓
Dilip	×	✓	✓	×

Therefore it is clear from the above that tennis is played by all the boys.

74. Based on the given information, answer the question given below.
 Hardeep, Jagjeet and Rohan are honest.
 Kamal, Jagjeet and Gaurav are ambitious.
 Rohan, Jagjeet and Kamal are hard-working.
 Gaurav, Hardeep and Kamal are intelligent.
 Who is NEITHER ambitious NOR hard-working?

- (a) Kamal (b) Gaurav
 (c) Rohan (d) Hardeep

RRB NTPC 09.02.2021 (Shift-II) Stage Ist

Ans. (d) :

Hardeep	Honest, intelligent
Jagjeet	Honest, ambitious, hard working
Rohan	Honest, hard working
Kamal	Ambitious, hard working, intelligent
Gaurav	Ambitious, intelligent

Hence, it is clear from the above data that Hardeep is neither Ambitious nor hard working.

75. Read the given information carefully and answer the question that follows.
 There are five girls A, B, C, D and E. They are married to boys from five different states Uttar Pradesh, Madhya Pradesh, Jharkhand, Bihar and Odisha, but not necessarily in the same order. All the boys are in five different professions Politician, Professor, Teacher, Doctor and Engineer, but not necessarily in the same order.
 D is married to a doctor. B is married to a man from Uttar Pradesh, who is not a professor or politician. E is married to an engineer and he is not from Jharkhand or Madhya Pradesh. C is married to a person who is from Bihar. The Politician is not from Bihar or Jharkhand.

A is married to a person from-

- (a) Jharkhand (b) Bihar
 (c) Madhya Pradesh (d) Odisha

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (c) :

City	M.P.	U.P.	Bihar	Jharkhand	Odisha
Person	A	B	C	D	E
Business	Politician	Teacher	Professor	Doctor	Engineer

Hence, 'A' is married to a person from M.P.

76. Read the given information carefully and answer the question that follows.

- There are four persons P, Q, R and S.
- One of them is a doctor and plays football and cricket.
- P and Q are teachers.
- P plays Badminton.
- The Lawyer and both the Teachers are Swimmers.
- One of them also plays Tennis.
- S plays Carrom and is a Lawyer.
- All the four persons play two games each and follow one profession.

Who plays Carrom and is a Swimmer?

- (a) P (b) S
 (c) Q (d) R

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question-

Person	Occupation	Sport-1	Sport-2
R	Doctor	Football	Cricket
P	Teacher	Badminton	Swimmer
Q	Teacher	Tennis	Swimmer
S	Lawyer	Carrom	Swimmer

Hence, it is clear from the table that 'S' plays Carrom and is a Swimmer.

77. Read the given information carefully and answer the question that follows.

Five coaching classes P, Q, R, S and T are located on five different floors 1, 2, 3, 4 and 5 not necessarily in the same order. Only one subject out of Physics, Chemistry, Mathematics, Biology and English, is taught in each coaching class, but not necessarily in the same order.

The following information is also known:

- Biology is taught in coaching class S, while English is not taught in coaching class Q.
- Coaching class R is on the 3rd floor, and Chemistry is taught in coaching class P.
- Physics is taught in the coaching class on the 5th floor.
- The coaching class on the 3rd floor does not teach either English or Physics.

On the basis of the information given, identify the floor on which Mathematics is taught.

- (a) 3rd (b) 4rd
 (c) 2nd (d) 5th

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (a) :

Coch aing	Subject	1	2	3	4	5
P	Chemistry	—	—	×	—	×
Q	Physics	—	—	×	—	✓
R	Maths	—	—	✓	×	×
S	Biology	—	—	×	—	×
T	English	×	×	×	×	×

Based on the given information it can be said that Mathematics is taught on the third floor.



78. Six persons A, B, C, D, E and F are working in different offices K, L, M, N, O and P, not necessarily in the same order. Out of these three are male and three female. B is wife of E and working in office N. No female is working in office L or P. C is sister of D and working in office K. F is working in the office M, D is working in office L. No male is working in the office O. Who among the following is working in office P ?

(a) F (b) A
(c) E (d) B

RRB NTPC 11.03.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,

Men	K	L	M	N	O	P
A- (Female)	×	×	×	×	✓	×
B- (Female)	×	×	×	✓	×	×
C- (Female)	✓	×	×	×	×	×
D- (Male)	×	✓	×	×	×	×
E- (Male)	×	×	×	×	×	✓
F-(Male)	×	×	✓	×	×	×

It is clear from above data that person E is working in office P.

79. Five persons A, B, C, D and E are taking part in a race, each with a car of different colour, i.e. black, white, blue, yellow, red, not necessarily in same order. Blue car is leading in the race and A is the slowest person in the race. The one that has red car is just behind E. B has a white car and it needs to cross just one person to be at the second position. C is just behind D. The one who is at the second last position does not drive black car. Who is driving yellow car and what is its position in the race ?

(a) D, 3rd (b) B, 3rd
(c) E, 4th (d) A, 5th

RRB NTPC 14.03.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question,

Blue — D
Black — C
White — B
Yellow — E
Red — A

Hence, E is driving yellow car and his position is fourth.

80. Read the given information carefully and answer the question that follows.
Akash and Puru are good in English and Hindi. Sumit and Akash are good in Hindi and Economics. Sumit, Aryan and Mayank are good in Economics and Botany. Mayank and Sumit are good in Economics and Zoology. Aryan and Puru are good in Botany and English.

Who is good in English, Hindi and Botany?

(a) Sumit (b) Akash
(c) Aryan (d) Puru

RRB NTPC 15.03.2021 (Shift-II) Stage Ist

Ans. (d) : As per question,

	English	Hindi	Economics	Botany	Zoology
Akash	✓	✓	✓	×	×
Puru	✓	✓	×	✓	×
Sumit	×	✓	✓	✓	✓
Aryan	✓	×	✓	✓	×
Mayank	×	×	✓	✓	✓

So, it is clear that puru is good in all three subjects namely English, Hindi and Botany.

81. Six boxes P, Q, R, S, T and U are painted with one among different colours Black, Blue, Orange, Green, White and Grey (not necessarily in the same order). No two boxes are painted with same colour. R is painted with orange colour. S and U are neither painted with white nor grey colour. P is painted with black colour. Q is not painted with white or blue colour.

Box S is painted with which colour?

(a) Blue or Grey (b) Black or Green
(c) White or Green (d) Blue or Green

RRB NTPC 21.03.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question,

	Black	Blue	Orange	Green	White	Grey
P	✓	×	×	×	×	×
Q	×	×	×		×	
R	×	×	✓	×	×	×
S	×		×		×	×
T	×		×			
U	×		×		×	×

So it is clear that box S is coloured blue or green

82. Five airhostess A, B, C, D and E like one among different colours namely Green, Blue, White, Black and Pink (not necessarily in the same order). They are from one among different airlines namely Go Air, Emirates, Vistara, Spice Jet and Jetline (not necessarily in the same order). No two airhostess likes the same colour and they are not from same airlines. B likes White colour and is from Spice Jet airline. D is from Vistara airline and does not like pink or Blue colour. A is not from Jet Lite and Go Air. The one who is from Go Air airline likes Black colour. C does not like Black colour and is not from Emirates airline.

Which of the following combination of airhostess, colour and airline is definitely correct?

(a) A–Pink–Emirates (b) A–Blue–Emirates
(c) D–Green–Vistara (d) C–Blue–Jetline

RRB NTPC 21.03.2021 (Shift-II) Stage Ist



Ans. (c) : According to the question,

Airhostess	Colour	Airlines
A	Pink/Blue	Emirates
B	White	Spicejet
C	Pink/Blue	Jet line
D	Green	Vistara
E	Black	Go-air

Hence, it is clear that the Airhostess of Vistara airlines likes green colour (c).

Instructions (83-85) : Answer the question based on the following information.

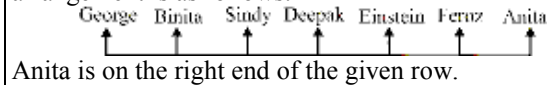
Anita, Binita, Sindy, Deepak, Einstein, Feroz and George are sitting in a row facing north. Feroz is immediately to the right of Einstein. Einstein is fourth to the right of George. Sindy is the neighbour of Binita and Deepak. The third person to Deepak is left at one end of the line.

83. Where is Anita sitting ?

- Between Einstein and Deepak
- At left end
- In middle
- At right end.

RRB NTPC 30.04.2016 Shift : II

Ans. (d) According to the question, the seating arrangement is as follows.



84. Which of the following statements is not true ?

- Einstein is immediately to the left of Deepak.
- Anita is at one end of the line.
- George is immediate to the left of Binita.
- Feroz is second to the right of Deepak.

RRB NTPC 30.04.2016 Shift : II

Ans. (a) Einstein is immediately left of Deepak the statement given is not true.

85. Who is Binita's neighbour ?

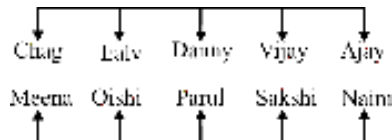
- Cindy and Deepak
- Cindy and George
- George and Feroz
- Cindy and Einstein

RRB NTPC 30.04.2016 Shift : II

Ans. (b) In the given row Binita's neighbour are Cindy and George.

Instructions (86-88) : Answer the question based on the following information.

Five Men Ajay, Vijay, Chag, Danny and Ealv are sitting facing south direction in row, while five women Meena, Naini, Oishi, Parul and Sakshi are sitting facing north direction in the second row parallel to the first row. Vijay who is sitting immediate to Danny is in front of Sakshi. Chag and Naini are in front of each other in the diagonal. Ealv is in front of oishi who is just to the right of Meena. Parul who is sitting to the immediate left of Sakshi is in front of Danny. Meena is sitting at one end of the row.

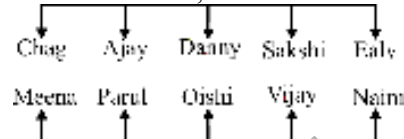


86. If Oishi and Parul, Ajay and Ealv and Vijay and Sakshi change their positions mutually then who will be the second person to the right of the person sitting in front of the second person from the right of Parul ?

- Danny
- Ajay
- Ealv
- Oishi

RRB Paramedical 20.07.2019 Shift : II

Ans. (b) According to the question, the seating arrangement is as follows,



Hence Ajay is the second person to the right of person (Vijay) sitting in front of the other person (Vijay) from the right of Parul.

87. If Vijay goes to the Ealv's place, Ealv goes to Sakshi's place and Sakshi goes to Vijay's place then who will be the second person to the left of the person sitting in front of Oishi ?

- Sakshi
- Parul
- Ealv
- Danny

RRB NTPC 30.04.2016 Shift : I

Ans. (a)



Hence, the second person to the left of the person sitting in front of Oishi is Sakshi.

88. Which of the following group is in front of each other in the diagonal ?

- Ealv and Sakshi
- Vijay and Oishi
- Ajay and Danny
- Ajay and Meena

RRB NTPC 30.04.2016 Shift : I

Ans. (d) The pair of Ajay and Meena facing each other in diagonal.

Instruction (89-90) Seven people are sitting randomly in front of each other in a circle. Consider the following and answer the questions based on it.

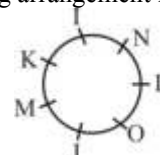
- J sits between O and M
- Neither L nor I is to the immediate right of K.
- O sits next to neither K nor N.
- N sits third to the left of M.
- L does not sit immediately to the Right of N.

89. Who sits second to the left of M?

- K
- I
- L
- O

RRB NTPC 04.04.2016 Shift : II

Ans. (b) The seating arrangement is as follows,



I sits second to the left of M.



90. O leaves the circle, then who sits fifth to the right of J?

- (a) M (b) I
(c) N (d) K

RRB NTPC 04.04.2016 Shift : II

Ans. (a) M will sit fifth to the right of J when O leaves the circle.

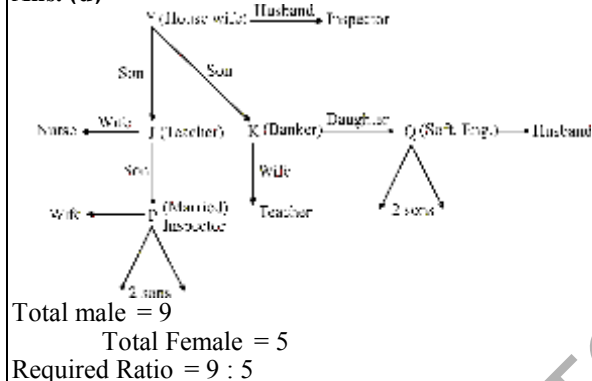
Instruction (91-93) Y is a housewife and her husband is an inspector. Their sons J is a teacher and K is a banker. They are married a nurse and a teacher respectively. J's married son P is an inspector, who has two sons. K's married daughter Q is a who is a software engineer, who has two sons. All of them live in a joint family.

91. What is the ratio of male to female?

- (a) 4 : 8 (b) 1 : 1
(c) 8 : 4 (d) 9 : 5

RRB NTPC 19.01.2017 Shift : II

Ans. (d)



92. On the basis of given information, which of the following is a couple?

- (a) Teacher – Teacher
(b) Teacher – Inspector
(c) Housewife – Banker
(d) Nurse – Teacher

RRB NTPC 19.01.2017 Shift : II

Ans. (d) Nurse-Teacher

93. The grandmother of Q is a _____

- (a) House wife (b) Nurse
(c) Banker (d) Teacher

RRB NTPC 19.01.2017 Shift : II

Ans. (a) It is clear from the picture that Q's grand mother is a house wife.

Instruction (94-96) Read the following information carefully and answer the questions based on them.

In a family of 6 persons, three men are Lokesh, Manav and Nitish and three women are Rani, Savita and Tanvi. These 6 persons are Architect, Advocate, CA, Professor, Doctor and Engineer but not in this order.

- (i) There are two married couples and two persons are unmarried.
(ii) Nitish is not the husband of Rani.
(iii) The doctor is married to an Advocate. Rani's grandfather is a Professor.
(iv) Manav is neither the son of Lokesh nor he is the Architect or Professor.
(v) Advocate is Tanvi's daughter-in-law.

(vi) Nitish is the son of Tanvi and the father of the Engineer.

(vii) Lokesh is married to CA.

94. Which of the following two persons are unmarried?

- (a) Lokesh, Savita (b) Lokesh, Manav
(c) Lokesh, Tanvi (d) Rani, Manav

RRB NTPC 07.04.2016 Shift : I

Ans. (d)



95. How is Tanvi related to Manav?

- (a) Mother (b) Grandmother
(c) Wife (d) Daughter

RRB NTPC 07.04.2016 Shift : I

Ans. (b) According to the above interpretation Tanvi is the grandmother of Manav.

96. Which of the following is a pairs of married couple?

- (a) Lokesh, Savita and Nitish Tanvi
(b) Lokesh, Rani and Nitish Rani
(c) Lokesh, Tanvi and Nitish Savita
(d) Savita, Manav and Nitish Rani

RRB NTPC 07.04.2016 Shift : I

Ans. (c) According to the above interpretation, Lokesh-Tanvi and Nitish-Savita are pairs of married couple.

Instructions (97-99) Read the following information carefully and answer the questions given below:

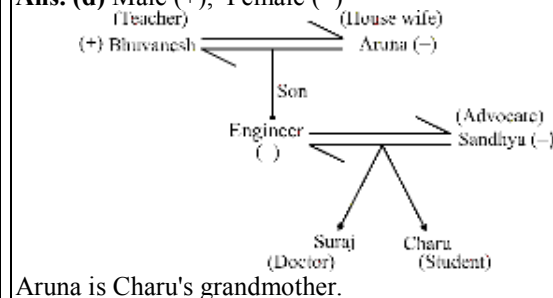
- (i) A family has six member in which there is a pair of married couple.
(ii) Sandhya is an Advocate who is married to an Engineer and she is the mother of Charu and Suraj.
(iii) Bhuvanesh is a Teacher and is married to Aruna.
(iv) Aruna has a son and a grandson.
(v) Out of two married women, one is housewife.
(vi) The family has a student and a male doctor

97. How is Aruna related to Charu?

- (a) Sister (b) Mother
(c) Grandfather (d) Grandmother

RRB NTPC 12.04.2016 Shift : III

Ans. (d) Male (+), Female (-)





According to the above diagram
the number of people who speaks more than one language
 $= 10 + 5 + 12 + 5 + 13 = 45$

108. The ratio of people who speak Bengali to those who speak Marathi is

- (a) 15/31 (b) 1/2
(c) 3/4 (d) 3/5

RRB NTPC 27.04.2016 Shift : 2

Ans. (d) : According to the above diagram
The number of people speaking Bengali = $10 + 5 = 15$
The number of people speaking Marathi = $12 + 13 = 25$
Required ratio = $15 : 25$
 $= 3 : 5$

109. How many people speak Hindi?

- (a) 22 (b) 27
(c) 32 (d) 45

RRB NTPC 27.04.2016 Shift : 2

Ans. (c) : According to the above diagram
The number of people speaking Hindi = $10 + 12 + 5 + 5 = 32$

Instructions (110-112) : Read the data given below and answer the questions based on it.

In an examination, 43% passed in Mathematics, 52% passed in Physics and 52% passed in Chemistry. Only 8% students passed all three subjects. 14% passed Mathematics and Physics, 21% passed Mathematics and Chemistry and 20% passed in Physics and Chemistry. The total number of examinees is 200.

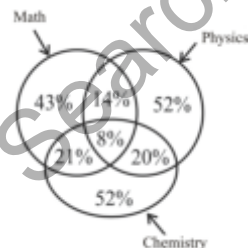
Total number of examinees = 200

110. A student is considered to have passed only if he/she has passed in at least two subjects. The number of students declared to pass in this exam is-

- (a) 33 (b) 66
(c) 39 (d) 78

RRB NTPC 22.04.2016 Shift : 3

Ans. (d) :



The number of students passed in at least one or two subjects.

$$= \frac{200 \times (6 + 13 + 12 + 8)}{100}$$

$$= \frac{200 \times 39}{100} = 78$$

111. How many students passed in Mathematics only?

- (a) 16 (b) 32
(c) 48 (d) 80

RRB NTPC 22.04.2016 Shift : 3

Ans. (b) : Number of students passed in Mathematics only

$$= \frac{200 \times [43 - (6 + 13 + 8)]}{100} = \frac{200 \times 16}{100} = 32$$

112. Find the ratio of the students who passed only in mathematics to the students who passed only in chemistry.

- (a) 16 : 37 (b) 29 : 32
(c) 16 : 19 (d) 31 : 49

RRB NTPC 22.04.2016 Shift : 3

Ans. (c) : Number of students passed in chemistry only
 $= 52 - (13 + 12 + 8)$
 $= 19\%$

$$\therefore \text{Numbers of students} = \frac{200 \times 19}{100} = 38$$

Required ratio = $32 : 38$
 $= 16 : 19$

Instructions : (Question number 113-115)

Consider the following information and answer the questions based on it.

Out of a group of 100 naturalists, 15 want to see only butterflies, 30 want to see only birds, 10 want to see both bees and butterflies, 20 want to see both birds and bees, 5 want to see both bees and bats and the rest only want to see bats.

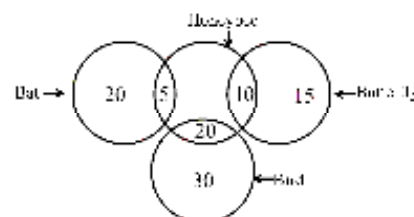
113. The number of naturalists who want to see bats only is.

- (a) 15 (b) 20
(c) 30 (d) No one

RRB NTPC 22.04.2016 Shift : 1

Ans. (b) : Venn diagram based on available data is as follows

total number of naturalists = 100



From the above venn diagram

$$\text{Number of naturalist who want to see the bat}$$

$$= 100 - [15 + 30 + 10 + 20 + 5]$$

$$= 100 - 80$$

$$= 20$$

114. Only naturalists who want to see bats are proportionate to those who want to see only butterflies.

- (a) 3/4 (b) 2/3
(c) 4/3 (d) 3/2

RRB NTPC 22.04.2016 Shift : 1

Ans. (c) : From the above diagram

Number of naturalists who want to see only bat = 20

Number of people who wants to see only butterfly = 15

$$\text{So ratio} = 20 : 15$$

$$= 4 : 3$$



115. How many naturalists went to see at least two of the four species?

- (a) 15 (b) 25
(c) 30 (d) 35

RRB NTPC 22.04.2016 Shift : 1

Ans. (d) : From the above diagram
Number of naturalists who see at least two species
= $10 + 20 + 5 = 35$

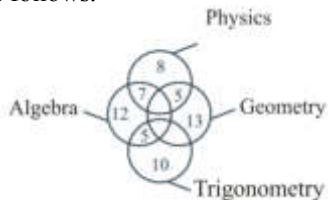
Directions : (Question no. 116-117) Consider the following information and answer questions based on it. Among 60 students, 12 like only Algebra, 13 like only Geometry, 10 like only Trigonometry, 5 like both Algebra and Trigonometry, 8 like only Physics, 5 like both Physics and Geometry and the remaining like both Algebra and Physics

116. How many student like Physics but not like Geometry?

- (a) 8 (b) 13
(c) 15 (d) 17

RRB NTPC 06.04.2016 Shift : 2

Ans. (c) : Based on the above information the Venn diagram is as follows.



Students who like Physics but not Geometry = $8 + 7 = 15$

117. The ratio of students who like Algebra to those who like Geometry is.

- (a) 12 : 13 (b) 4 : 3
(c) 17 : 18 (d) 17 : 13

RRB NTPC 06.04.2016 Shift : 2

Ans. (b) : The ratio of students who like Algebra and students who like Geometry is = $24 : 18$
= $4 : 3$

Instructions : (Question No. 118-120) : Consider the following information and answer the questions based on it.

Out of 50 kids in a colony, 10 like only Basketball, 25 like only Football, 10 like both volleyball and Football and 5 like only Volleyball

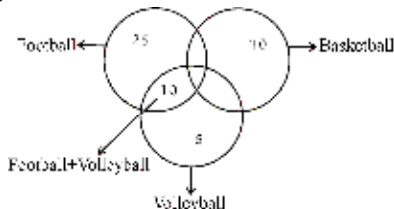
Venn diagram based on the above information-

118. How many kids do not like volleyball?

- (a) 15 (b) 25
(c) 35 (d) 45

RRB NTPC 06.04.2016 Shift : 1

Ans. (c) :



Number of children who do not like volleyball = Total number of children - Number of children who like volleyball = $50 - (10 + 5) = 35$

119. The ratio of kids who like football to those who like only basketball is

- (a) $5/2$ (b) $7/2$
(c) 4 (d) 5

RRB NTPC 06.04.2016 Shift : 1

Ans. (b) : From the above diagram
children like football = $25 + 10 = 35$
Children like basketball = 10

$$\text{Desired ratio} = \frac{35}{10} = \frac{7}{2}$$

120. How many kids like only one sport?

- (a) 50 (b) 40
(c) 35 (d) 25

RRB NTPC 06.04.2016 Shift : 1

Ans. (b) : From the above diagram

Children who like only one game.

$$= 25 + 10 + 5 = 40$$

Instructions (121-122) : Consider the following information and answer the questions based on it.

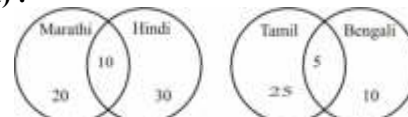
In a group of 100 students, 20 only like Marathi, 30 only Hindi, 25 only Tamil, 10 like both Marathi and Hindi, 5 like both Bengali and Tamil and remaining like only Bengali.

121. The Ratio of students who like Bengali and students who like Marathi.

- (a) 1 : 2 (b) 8 : 3
(c) 3 : 8 (d) 2 : 1

RRB NTPC 07.04.2016 Shift : 2

Ans. (a) :



Number of students who like Bengali only
= $100 - (20 + 10 + 30 + 25 + 5)$
= $100 - 90 = 10$

Students who like Bengali = $10 + 5 = 15$

Students who like Marathi = $20 + 10 = 30$

$$\therefore \text{Ratio} = 15 : 30 = \boxed{1 : 2}$$

122. The number of students who like only one language?

- (a) 60 (b) 15
(c) 85 (d) 75

RRB NTPC 07.04.2016 Shift : 2

Ans. (c) : Number of students like only one language
= $20 + 30 + 25 + 10 = 85$

Instructions (Question No. 123-125) Consider the following information and answer the questions based on it.

In 100 people, 35 like only coffee, 40 like only tea, 15 like both tea and coffee and 10 like only milk

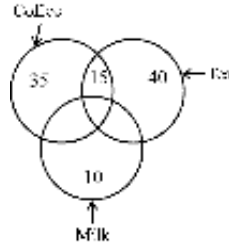
123. What is the ratio of people who like both tea and coffee to those who like only coffee?

- (a) $3/8$ (b) $2/3$
(c) $3/7$ (d) $3/2$

RRB NTPC 09.04.2016 Shift : 3



Ans. (c) Venn diagram of the Question number



Both, tea and coffee like = 15

Only like to coffee = 35

Desired ratio = 15:35 = 3:7

124. What is the ratio between people who like only milk and people who like tea.

- (a) $1/4$ (b) $2/11$
(c) $2/7$ (d) $1/2$

RRB NTPC 09.04.2016 Shift : 3

Ans. (b) : According to the Venn diagram

The number of people who likes only milk = 10

The number of people who likes tea = 40 + 15 = 55

Desired ratio = 10:55 = 2:11

125. What is the percentage of persons who like tea out of the total?

- (a) 50% (b) 55%
(c) 40% (d) 35%

RRB NTPC 09.04.2016 Shift : 3

Ans. (b) : Total person = 100

The number of people who like tea = 40 + 15 = 55

Desired percentage = $\frac{55 \times 100}{100} = 55\%$

Direction : (126-127) Read the data given and answer the following questions.

In a class of 60 students

42 like Maths

32 like English

12 like neither Maths nor English

The Venn diagram from question No. 126-127



The students who neither like mathematics nor English = 12

Total number of students = 60

Number of students who like mathematics and English or both = 60 - 12 = 48

126. How many students like both Maths and English?

- (a) 28 (b) 26
(c) 16 (d) 12

RRB NTPC 11.04.2016 Shift : 1

Ans. (b) : Number of students who like both Mathematics and English = 42 + 32 - 48
= 74 - 48 = 26

127. How many students like exactly one subject?

- (a) 16 (b) 12
(c) 6 (d) 22

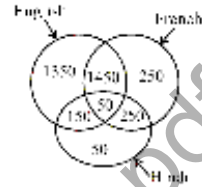
RRB NTPC 11.04.2016 Shift : 1

Ans. (d) : Number of people like only one subject
= 16 + 6 = 22

Directions (Question No. 128-130) The following questions are based on the information given below:

In a school of 4000 students 3000 know English, 2000 know French and 500 know Hindi, 1500 know French and English, 300 know French and Hindi, 200 know English and Hindi and 50 know all the three languages

Venn diagram from question No. 288-290



128. How many students know only two languages?

- (a) 450 (b) 500
(c) 1850 (d) 1580

RRB NTPC 16.04.2016 Shift : 1

Ans. (c) : Number of students knowing only two languages

$$= 1450 + 150 + 250 \\ = 1850$$

129. How many students know at least one language?

- (a) 3500 (b) 3000
(c) 1850 (d) 3550

RRB NTPC 16.04.2016 Shift : 1

Ans. (d) : Number of students know at least one language = 1350 + 1450 + 250 + 250 + 150 + 50 + 50
= 3550

130. How many students do not know any of the three languages?

- (a) 550 (b) 500
(c) 400 (d) 450

RRB NTPC 16.04.2016 Shift : 1

Ans. (d) : Number of students who don't know any of the three language.

$$= 4000 - (1350 + 1450 + 250 + 150 + 50 + 250 + 50) \\ = 4000 - 3550 = 450$$

Instructions : (131-132) The following questions are based on the information given below.

All 3200 Students of a college in a city know at least one language in three language, English, Telugu and Hindi 2400 know English, 1700 know Telugu 1800 know Hindi, 1000 know English and Telugu 1500 speak English and Hindi 1300 speak Telugu and Hindi and only 100 know all three languages.

131. How many student know only Hindi?

- (a) 200 (b) 400
(c) 100 (d) 800

RRB NTPC 18.04.2016 Shift : 2

Ans. (c) : From above interpretation 100 student known only Hindi.



132. How many do not know any of the three language?

- (a) 0 (b) 1
(c) 10 (d) 15

RRB NTPC 18.04.2016 Shift : 2

Ans. (a) :

Number of people not know any language = 0

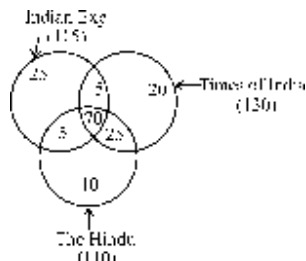
Instructions : Question number (133-135) The following question is based on the given information. An advertising agency discovered that 115 out of its 170 customers read Indian Express, 110 read the Hindu and 130 read and times of India. 85 read Indian Express and times of India 75 read Indian Express and the Hindu 95 read the Hindu and times of India and 70 read all three news paper

133. How many customer read only the Hindu?

- (a) 5 (b) 10
(c) 25 (d) 35

RRB NTPC 18.04.2016 Shift : 1

Ans. (b) :



Number of customers reading only The Hindu = 10

134. How many only read Indian Express?

- (a) 15 (b) 25
(c) 5 (d) 10

RRB NTPC 18.04.2016 Shift : 1

Ans. (b) : It is clear from the above figure that the number of customers is reading Indian Express only 25.

135. How many people read Indian Express and times of India but not the Hindu?

- (a) 10 (b) 20
(c) 15 (d) 30

RRB NTPC 18.04.2016 Shift : 1

Ans. (c) : It is clear from the above figure that the number of subscribers/customers who read Indian Express and Time of India but The Hindu = 15

Instructions : Question No. (136-137) Consider the following information and answer the questions based on it.

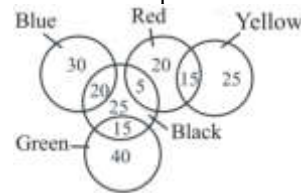
Out of 200 peoples, 20 have only Red Balloons, 30 have only Blue Balloons, 25 have only Black Balloons, 15 have Black and Green Balloons, 40 have only Green balloons, 20 have Blue and Black Balloons 25 has only Yellow Balloons, 5 have Red and Black Balloons and the rest of the students have none.

136. What is the ratio of those students who have green balloons and those who have red balloons?

- (a) 1 (b) 1/2
(c) 8/11 (d) 7/8

RRB NTPC 19.04.2016 Shift : 3

Ans. (c) : On drawing/making a diagram according to the given information from question No. 99-100



Students with red balloons = 20 + 5 + 15 = 40

Students with Green balloons = 40 + 15 = 55

$$\text{Desired ratio} = \frac{40}{55} = \frac{8}{11}$$

137. How many students have at least two-coloured balloons.

- (a) 50 (b) 55
(c) 40 (d) 45

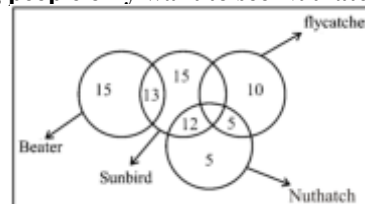
RRB NTPC 19.04.2016 Shift : 3

Ans. (b) : Number of students who have of at least two colour balloons.

$$= 20 + 5 + 15 + 15 = 55$$

Instructions : Question number (138-139) consider the following information answer the questions it.

Out of 75 bird lovers, 15 only want to see sunbird, 10 only want to see flycatcher 12 wants to see both sunbird and Nuthatch 15 only wants to see Beeater, 13 want to see sunbird and bee-eater., 5 want to see both flycatcher and Nuthatch and remaining people only want to see Nuthatch.



138. How many bird lovers want to see only one bird?

- (a) 30 (b) 40
(c) 45 (d) 50

RRB NTPC 19.04.2016 Shift : 2

Ans. (c) The number of bird lovers who want to see only Nuthatch = 75 - 70 = 5

The number of bird lovers who want to see only one bird

$$= 15 + 15 + 10 + 5 = 45$$

139. The ratio of bird lovers who likes Nuthatch and beater is?

- (a) 11/14 (b) 10/7
(c) 11/20 (d) 30/8

RRB NTPC 19.04.2016 Shift : 2

Ans. (a) : Number of bird lovers who like nuthatch = 12 + 5 + 5 = 22

Number of bird lovers who like beaters = 15 + 13 = 28

$$\text{Ratio} = \frac{22}{28} = \frac{11}{14}$$



Instruction : (140-142) Consider the following information and answer the questions based on it.

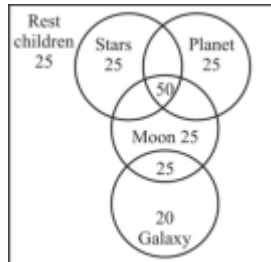
Out of 200 children, only 20 wants to see galaxy, only 25 wants to see stars only 30 wants to see planets. 50 wants to see stars, planets and moon, 25 want to see both moon and milky way, 25 only wants to see moon and the remaining children wants to see nothing.

140. How many children want to see at least two celestial bodies?

- (a) 50 (b) 25
(c) 75 (d) 55

RRB NTPC 19.04.2016 Shift : 1

Ans. (c) : Venn diagram is as follows according to the question.



Number of children who want to see at least 2 objects.
= 50 + 25 = 75

141. How many children want to see the moon?

- (a) 50 (b) 75
(c) 100 (d) 120

RRB NTPC 19.04.2016 Shift : 1

Ans. (c) : From the above Venn diagram
Number of children who see moon = 50 + 25 + 25 = 100

142. How many children do not want to see the galaxy?

- (a) 130 (b) 100
(c) 155 (d) 125

RRB NTPC 19.04.2016 Shift : 1

Ans. (c) : From the above diagram
Number of children not seeing galaxy
= 200 - (25 + 20)
= 155

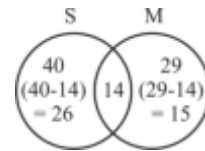
Instruction (Question No 143-144) In a class of 55 students, 40 students like science, 29 students like Mathematics. If every child likes at least one subject then answer the questions given below.

143. How many students like both science and Mathematics?

- (a) 15 (b) 14
(c) 13 (d) 12

RRB NTPC 18.01.2017 Shift : 2

Ans. (b) : Total students = 55
 $n(a) + n(b) - n(A \cap B) = n(A \cup B)$
 $40 + 29 - n(A \cap B) = 55$
 $69 - 55 = n(A \cap B)$
 $n(A \cap B) = 14$



It is clear from the picture that 14 students like both science and mathematics.

144. In a class of 26 students, 14 students have cats, 10 students have dogs and 5 students have parrots. If 4 students have both cats and dogs and 1 student has both dog and parrot and 3 students have both parrot and cats and there is no one who has all three, then how many are there who have nothing

- (a) 1 (b) 3
(c) 5 (d) 7

RRB NTPC 28.03.2016 Shift : 2

Ans. (c) : Total students = 26..... [Given]
according to the given information the Venn diagram is follows as-



Animal rearing students = 7 + 4 + 5 + 3 + 1 + 1 = 21

Number of students with no animals = 26 - 21 = 5

Instructions : (145-147) Study the following information and answer the questions based on it.

In a class of 40 students, 24 students play Kho-Kho 20 students play Kabaddi and 38 students can play any one sport.



145. How many students play both the games.

- (a) 2 (b) 6
(c) 8 (d) 4

RRB NTPC 29.03.2016 Shift : 2

Ans. (b) : Number of students playing both games
= 24 + 20 - 38 = 6

146. How many students do not play Kabaddi

- (a) 18 (b) 22
(c) 20 (d) 24

RRB NTPC 29.03.2016 Shift : 2

Ans. (c) : Number of students not playing any game
= 40 - (18 + 6 + 14)
= 40 - 38 = 2

Number of students not playing Kabaddi = only Kho - Kho players + 2
= 18 + 2 = 20

147. How many students do not play any game?

- (a) 4 (b) 6
(c) 3 (d) 2

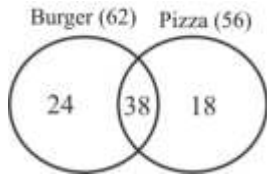
RRB NTPC 29.03.2016 Shift : 2

Ans. (d) :
Students not playing any game = 40 - (18 + 6 + 14)
= 40 - 38 = 2



Instruction (Question No. 148-150) consider/study the following information and answer the questions given below

In a class of 90 students, 80 students like Burger or Pizza, 62 like Burger and 56 like pizza
According to question.



148. How many students like both Burger and pizza?

- (a) 24 (b) 38
(c) 32 (d) 18

Ans. (b) : Number of students who like both burger and pizza = $(62 + 56) - 80 = 118 - 80 = 38$

149. How many students do not like Burger?

- (a) 18 (b) 28
(c) 38 (d) 48

Ans. (b) : Number of students who do not like burgers = Number of students who like pizza only + 10
= $(56 - 38) + 10 = 28$

150. How many student do not like both Burger and Pizza?

- (a) 10 (b) 28
(c) 16 (d) 14

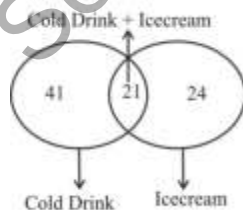
Ans. (a) : Number of students who do not like both burger and pizza = $90 - 80 = 10$

151. In a group of 100 people, 86 likes either cold drink or ice cream. It 62 people like cold drink and 21 likes both then what is the number of people who like ice cream.

- (a) 41 (b) 45
(c) 54 (d) 48

RRB NTPC 31.03.2016 Shift : III

Ans. (b) : According to the above statement venn diagram



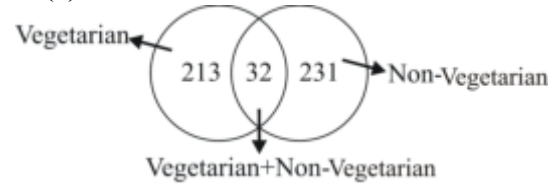
Number of people who like Icecream = $21 + 24 = 45$

152. 476 people attended a wedding ceremony 213 were pure vegetarian and 32 people ate both vegetarian and non-vegetarian food. How many people ate only non-vegetarian food in the ceremony?

- (a) 263 (b) 231
(c) 245 (d) 219

RRB NTPC 04.04.2016 Shift : II

Ans. (b) :



Number of people who ate only non-vegetarian food.

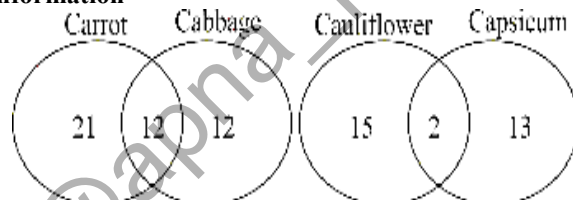
$$= 476 - (213 + 32)$$

$$= 476 - 245 = 231$$

Instruction (153-155) : Consider the following information and answer the questions based on it.

In a group of 75 students, 12 like only cabbage, 15 like only cauliflower, 21 like only carrot, 12 like both carrot and cabbage, 13 like only capsicum and 2 like both capsicum and cauliflower

Venn diagram according to the above information-



153. What is the percentage of students do not like cabbage

- (a) 16 (b) 32
(c) 24 (d) 68

RRB NTPC 05.04.2016 Shift : III

Ans. (d) : Total number of student = 75

Number of students who like cabbage

$$= 12 + 12 = 24$$

Number of students who dislike cabbage = $75 - 24 = 51$

$$\text{Desired \%} = \frac{51 \times 100}{75} = 68\%$$

154. How many students like only one vegetable

- (a) 60 (b) 61
(c) 65 (d) 71

RRB NTPC 05.04.2016 Shift : III

Ans. (b) : Number of students who like any vegetable

$$= 12 + 15 + 21 + 13$$

$$= 61$$

155. The difference between the people who like carrot and cauliflower is

- (a) 6 (b) 18
(c) 16 (d) 4

RRB NTPC 05.04.2016 Shift : III

Ans. (c) : Number of students who like carrot

$$= 21 + 12 = 33$$

Number of students who like cauliflower

$$= 15 + 2 = 17$$

$$\text{Desired difference} = 33 - 17 = 16$$



Instruction Question No. (156–158) Consider the following information and answer the questions based on it.

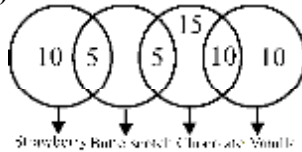
In a batch of 55 children, 10 children only like Vanilla, 10 children like strawberry 10 children like both chocolate and Vanilla, 15 children only chocolate, 560 in strawberry and butter scotch and 5 like both chocolate and butter scotch.

156. What is the ratio of children who like butter scotch to those who like Vanilla?

- (a) 1:1 (b) 1:2
(c) 2:1 (d) 2:5

RRB NTPC 05.04.2016 Shift : II

Ans. (b) :



Number of children who like butterscotch = 5 + 5 = 10

Number of children who like vanilla = 10 + 10 = 20

∴ Desired ratio = 10:20 = 1:2

157. How many children like only one flavor?

- (a) 30 (b) 35
(c) 20 (d) 15

RRB NTPC 05.04.2016 Shift : II

Ans. (b) : Number of children who like only one flavor = 10 (vanilla) + 10 (strawberry) + 15 (chocolate) = 35

158. What is the difference between children who like chocolate and student who like strawberry?

- (a) 30 (b) 15
(c) 10 (d) 25

RRB NTPC 05.04.2016 Shift : II

Ans. (b) : Difference in the number of children who like chocolate and like strawberries

$$= (10 + 15 + 5) - (10 + 5)$$

$$= 30 - 15 = 15$$

Instruction question number (159–160) :

In an class of 100 students, 20 students like only Spanish, 30 students only French, 15 students only German, 10 students both Spanish and French, 5 students both German and French and remaining students like only English

159. What is the ratio of students who like French to those who like Spanish?

- (a) 2/3 (b) 1/2
(c) 3/2 (d) 4/9

RRB NTPC 05.04.2016 Shift-1

Ans. (c) : From the above venn diagram

Number of students who like Spanish = 20 + 10 = 30

Number of students who like German = 15 + 5 = 20

Required ratio = 30:20 = 3:2

160. How many students like only one language ?

- (a) 65 (b) 70
(c) 75 (d) 85

RRB NTPC 05.04.2016 Shift-1

Ans. (d) : From the above Venn diagram
Number of students who like only English

$$= 100 - [30 + 20 + 15 + 10 + 5]$$

$$= 100 - 80 = 20$$

Number of students who like only one language

$$= 30 + 15 + 20 + 20 \text{ (French + German + Spanish + English)} = 85$$

161. Instruction :

Read the information given below carefully and answer the following questions.

In a class of 100 students 63 like apple and 76 like orange.



How many of these students like only apple?

- (a) 24 (b) 37
(c) 76 (d) 39

RRB NTPC 17.01.2017 Shift-3

Ans. (a) : Number of students who like apple only

$$= 63 - x$$

$$= 63 - 39 = 24$$

Instructions (162-164): Vinay, Meena, Tarun, Rehan, Karan, Hari and Dipali are travelling in a 3-Tier sleeper both in a train. Each of them are from different occupations which one are Engineer, Doctor, Architect, Physiotherapist, Advocate, Journalist and Pathologists. He has two low berth, three middle, architect is the only person who has the same berth as Vinay. Meera and Hari are not on the middle berth and they are pathologist and Advocate respectively. Tarun is a physiotherapist. Deepali is neither a journalist nor an architect. Karan has same number of berth as the doctor.

162. Which is the occupation of Deepali?

- (a) Doctor (b) Architect
(c) Pathology (d) Journalist

RRB NTPC 10.04.2016 Shift : III

Ans. (a)

	Berth			Person						
Occupation	Lower	Middle	Upper	Vinay	Meena	Tarun	Rehan	Karan	Hari	Dipali
Engineer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Doctor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Architect	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Physio-therapist	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Advocate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Journalist	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pathologist	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Deepali's occupation is doctor.

163. Who among the following is architect?

- (a) Rehan (b) Karan
(c) Tarun (d) Hari

RRB NTPC 10.04.2016 Shift : III

Ans. (a) Rehan is an architect.



164. Which of the following pairs has an upper berth?

- (a) Meena, Hari (b) Vinay, Rehan
(c) Vinay, Meena (d) Rehan, Hari

RRB NTPC 10.04.2016 Shift : III

Ans. (a) Hari and Meena have an upper berth.

Instructions (165-166): Read the following extract and answer the following question—

Six students Anil, Beenu, Chirag, Devi, Evan and Farah are sitting in a class. Anil and Beenu are in red house, whereas all others are related to green house. Devi and Farah are tall in height whereas all others are short in height. Anil, Chirag and Devi are wearing glasses where as others are not wearing glasses.

165. Which short student is not wearing glasses in the green house?

- (a) Farah (b) Evan
(c) Beenu (d) Anil

RRB NTPC 12.04.2016 Shift : I

Ans. (b)

Students	Wear Glasses	Red House	Green House	Tall Height	Short Height
Anil	✓	✓	×	×	✓
Beenu	×	✓	×	×	✓
Chirag	✓	×	✓	×	✓
Devi	✓	×	✓	✓	×
Evan	×	×	✓	×	✓
Farah	×	×	✓	✓	×

Evan is a student of short and is not wearing glasses in Green house.

166. Which students who are not wearing glasses and short in height?

- (a) Anil and Farah (b) Chirag and Evan
(c) Beenu and Evan (d) Evan and Farah

RRB NTPC 12.04.2016 Shift : I

Ans. (c) Beenu and Evan are short in height and are not wearing glasses.

Direction (167-169): Consider the following information and answer the questions based on it. Likes and Dislikes of 6 students J, K, L, M, N and O are given. One student likes only one vegetable and only one fruit.

- M likes cabbage but do not like plum and orange.
- The child who likes corn also likes apple.
- K and N like neither bananas nor cauliflower.
- J likes oranges and L likes carrots.
- Mango is liked by the child, who likes capsicum.
- O likes Papaya and cucumber both.

167. Which fruit is liked by the child, who also likes cabbage?

- (a) Banana (b) Plum
(c) Apple (d) Mango

RRB NTPC 30.03.2016 Shift : II

Ans. (a) Six vegetables are as follows-cabbage, corn, capsicum, cauliflower, cucumber, carrot.

The six fruits are such as :

Plum, Orange, Apple, Banana, Mango

M → Cabbage → Banana

K or N → Corn → Apple

J → Cauliflower → Orange

L → Carrot → Plum

K or N → Capsicum → Mango

O → Cucumber → Papaya

So M who likes Cabbage likes Banana also.

168. Which vegetable do J like?

- (a) Corn (b) Capsicum
(c) Cauliflower (d) Raddish

RRB NTPC 30.03.2016 Shift : II

Ans. (c) J likes cauliflower.

169. The pair of fruit and Vegetable liked by K is—

- (a) Apple-Cauliflower
(b) Banana-Cabbage
(c) Mango-Capsicum
(d) Cannot be determined

RRB NTPC 30.03.2016 Shift : II

Ans. (d) It cannot be decided which pair of fruits and vegetables K like.

Instruction (170-171): Use the following passage for the questions based on it.

Rahul and Kusum are good in Hindi and Maths. Sameer and Rahul are good in Hindi and Biology. Gita and Kusum are good in Marathi and Maths. Sameer, Gita and Mihir are good in History and Biology.

170. Who is good in only Hindi, Marathi and Maths?

- (a) Sameer (b) Rahul
(c) Kusum (d) Gita

RRB NTPC 02.04.2016 Shift : III

Ans. (c)

	Rahul	Kusum	Sameer	Gita	Mihir
Hindi	✓	✓	✓	—	—
Math	✓	✓	—	✓	—
Biology	✓	—	✓	✓	✓
Marathi	—	✓	—	✓	—
History	—	—	✓	✓	✓

Kusum is good only in Hindi, Mathematics and Marathi.

171. Who is good in Maths, Biology and Hindi?

- (a) Gita (b) Rahul
(c) Sameer (d) Mahir

RRB NTPC 02.04.2016 Shift : III

Ans. (b) Rahul is good in Mathematics, Biology and Hindi.

Instruction (172-174) There are five persons A, B, C, D and E in a group. Their professions are Dentist, Journalist, Businessman, Professor and Lawyer but not in the same order. Three of them A, C and Lawyer prefer tea over coffee, and two of them B and Journalist prefer coffee over tea, Businessman D and A are friends. Two of them prefer coffee, two of them prefer tea. Dentist is brother of C.



172. Who likes tea other than Advocate?

- (a) Journalist and Professor
(b) Businessman and Journalist
(c) Dentist and Professor
(d) Dentist and Businessman

RRB NTPC 03.04.2016 Shift : III

Ans. (c)		
Person	Occupation	Like
A	Dentist	Tea
B	Businessman	Coffee
C	Professor	Tea
D	Journalist	Coffee
E	Lawyer	Tea
Dentist and professor.		

173. Which of the following are the dentist, business man and professor respectively?

- (a) A, B, C (b) D, A, C
(c) E, D, C (d) B, A, D

RRB NTPC 03.04.2016 Shift : III

Ans. (a) A, B and C are Dentists, Businessman and Professor respectively.

174. Which drink is liked by C and his brother?

- (a) They both like coffee
(b) Tea and Coffee
(c) Coffee and tea
(d) They both like Tea

RRB NTPC 03.04.2016 Shift : III

Ans. (d) They both like tea.

Instruction (175-177): Consider the following information and answer the question based on it.

Y, R, M, J and B are in five occupations namely Designer, Teacher, Engineer, Technician and Accountant and five devices i.e. Mobile, Laptop, Calculator, Tablet and Computer are in random order. A person can take only one profession and only one device at a time.

- M has a calculator and is neither a teacher nor a technician.
- The designer has a tablet.
- The person who has a mobile is neither an accountant nor a teacher.
- Y is an engineer who has neither computer nor mobile.
- J is a technician and B is not a teacher.

175. Which of the following is the correct combination?

- (a) Teacher – Laptop
(b) Accountant – Tablet
(c) Technician – Computer
(d) Engineer – Laptop

RRB NTPC 04.04.2016 Shift : I

Ans. (d)			
Name		Occupation	Instrument
M	→	Accountant	→ Calculator
B	→	Designer	→ Tablet

J → Technician → Mobile
Y → Engineer → Laptop
R → Teacher → Computer

Hence, option (d) combination of engineer-laptop correct.

176. Who has computer?

- (a) B (b) J
(c) R (d) Y

RRB NTPC 04.04.2016 Shift : I

Ans. (c) R has a computer.

177. What equipment does an accountant have?

- (a) Tablet (b) Calculator
(c) Mobile (d) Laptop

RRB NTPC 04.04.2016 Shift : I

Ans. (b) Accountant has a Calculator.

Instruction (178-180): Consider the following information and answer the questions based on it.

P, Q, R, S are four friends who pursue teaching, law, banking, cooking and are the owners of red, blue, white and yellow house, in random order. An individual owns only one house and pursues only one profession.

- P owns a red house and is not a banker.
- The owner of blue house is a lawyer.
- The colour of S' house is neither yellow nor white.
- R is a Teacher.

178. The owner of the blue house is :

- (a) S
(b) R
(c) Q
(d) Cannot be determined

RRB NTPC 05.04.2016 Shift : III

Ans. (a)

Person	Colour of House	Business
P	Red	cooking
S	White/Yellow	Banking
R	White/Yellow	Teaching
Q	Blue	Advocacy

Hence, S is the owner of the blue colored house.

179. White house is owned by:

- (a) Q (b) R
(c) S (d) Cannot be determined

RRB NTPC 05.04.2016 Shift : III

Ans. (d) From the given information .

Since the owner of the white and yellow house is not clearly mentioned. So it can not be determined.

180. Q is a :

- (a) Lawyer (b) Banker
(c) Cook (d) Teacher

RRB NTPC 05.04.2016 Shift : III

Ans. (a) Q is Lawyer.



Instruction (181-183): Consider the following information and answer the questions based on it.

Four students- S, P, U and G speaks four different languages- French, Spanish, German and English and play four different instruments- Flute, Violin, Guitar and Tabla in random order. A student can speak only one language and can play only one instrument.

- A. U plays guitar but can neither speaks German nor French.
 B. Student who plays flute neither speaks Spanish nor German.
 C. S plays Tabla and G speaks English.
 D. The student who speaks French plays neither the Tabla nor the Flute.

181. Which student plays violin?

- (a) P (b) U
 (c) G (d) S

RRB NTPC 05.04.2016 Shift : II

Ans. (a) U → Guitar → Spanish

S → Tabla → German

G → Flute → English

P → Violin → French

Hence, student P plays the violin.

182. Which combination is correct?

- (a) P speaks French
 (b) S speaks Spanish
 (c) G speaks German
 (d) U speaks English

RRB NTPC 05.04.2016 Shift : II

Ans. (a) From the given information option (a) is true.

183. Which student speaks German?

- (a) S (b) P
 (c) U (d) G

RRB NTPC 05.04.2016 Shift : II

Ans. (a) Student S speaks German.

Instruction (184-186): Consider the following information and answer the questions based on it. Five fruits Banana, Mango, Apple, Plum and Orange are placed in a tray. Five children Fu, Mu, Ku, Hu and Lu each pick one fruit randomly in such a way that-

- A. Mu neither takes Banana nor Orange.
 B. Lu likes the Apple and picks it up.
 C. Ku neither takes Plum nor Banana.
 D. Fu wants to get Apples but takes Mangoes.

184. Who gets a Banana?

- (a) Hu
 (b) Ku
 (c) Mu
 (d) Cannot be determined

RRB NTPC 05.04.2016 Shift-I

Ans. (a) The following is the sequence of five fruits taken by five children :

Mu → Plum

Lu → Apple

Ku → Orange

Fu → Mango

Hu → Banana

Hence, it is clear that 'Hu' takes Banana.

185. Which fruit does Ku take?

- (a) Orange (b) Plum
 (c) Banana (d) Mango

RRB NTPC 05.04.2016 Shift-I

Ans. (a) According to the given information it is clear that 'Ku' takes Orange fruit.

186. Which is the right combination?

- (a) Mu-Banana (b) Hu-Plum
 (c) Hu-Orange (d) Mu-Plum

RRB NTPC 05.04.2016 Shift-I

Ans. (d) According to the given information, it is clear that 'Mu' takes Plum fruit.

Direction (187-188) P, Q, R, S, T and U adopt different businesses. Out of them one is politician, one is actor, one is bank employee, one is Ex-serviceman, one is Nurse and one is house wife. Consider the instructions given below and answer the following questions based on it-

- R is an ex serviceman married to a house wife.
- Q is a actor/hero whose brother T is not a politician.
- U is neither a bank employee nor a politician.
- P is the wife of R.

187. Who is the bank employee?

- (a) R (b) T
 (c) Q (d) P

RRB NTPC 17.01.2017 Shift-II

Ans. (b)

	P	Q	R	S	T	U
Actor	×	✓	×	×	×	×
Bank Employee	×	×	×	×	✓	×
Ex. Army Man	×	×	✓	×	×	×
House wife	✓	×	×	×	×	×
Nurse	×	×	×	×	×	✓
Politician	×	×	×	✓	×	×

From the above table, the bank worker is T.

188. Who is the politician?

- (a) S (b) U
 (c) T (d) R

RRB NTPC 17.01.2017 Shift-II

Ans. (a) From the above table Politician is S.



12.

Syllogism

Type – 1 : Syllogism Based on The Statement 'All'

1. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

All men are robots.

All robots are machines.

Conclusions:

I. All machines are men

II. Some robots are men.

- (a) Neither conclusion I nor II follows
(b) Both conclusions I and II follow
(c) Only conclusion II follows
(d) Only conclusion I follows

RRB NTPC (Stage-II) –12/06/2022 Shift-I

Ans. (c) : According to the question, on making Venn diagram,



Hence, it is clear that only conclusion II follows.

2. Read the given statements and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All dusters are balls

All cups are balls

Conclusions:

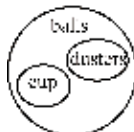
I. All balls are cups

II. No duster is a cup

- (a) Neither conclusion I nor II follows
(b) Only conclusion I follows
(c) Only conclusion II follows
(d) Both conclusions I and II follow

RRB NTPC (Stage-II) –15/06/2022 (Shift-II)

Ans. (a) : According to the question, Venn diagram is as follows,



It is clear from the above diagram that neither conclusion I nor II follows.

So, option (a) is correct.

3. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All horses are pigs

All pigs are fishes.

Conclusions :

I. All fishes are pigs

II. All horses are fishes.

- (a) Only conclusion II follows
(b) Only conclusion I follows
(c) Neither conclusion I nor II follows
(d) Both conclusion I and II follows

RRB NTPC (Stage-II) –15/06/2022 (Shift-II)

Ans. (a) : According to the statement, Venn diagram is as follows:



Conclusions:

(I) (✗)

(II) (✓)

Hence, It is clear from above diagram that only conclusion II follows.

4. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. All the cars are four-wheelers

2. All the four-wheelers are vehicles

Conclusions:

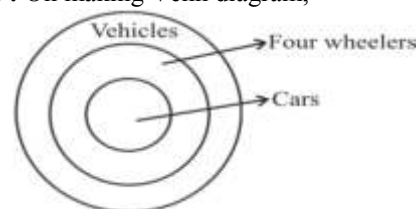
I. All the vehicles are four-wheelers

II. All the cars are vehicles

- (a) Either I or II (b) Both I and II
(c) Only I (d) Only II

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (d) : On making Venn diagram,



It is clear from the above that all the cars are vehicles. Hence, only conclusion (II) follows.

5. Read the given statements carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, select the conclusion from the given options which logically does not follow (s) from the statements.

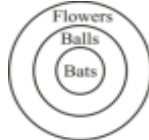


Statements:

- (i) All balls are flowers.
 (ii) All bats are balls.
 (a) All bats are flowers.
 (b) Some flowers are bats.
 (c) Some ball are bats.
 (d) No ball is a flower.

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the statement, Venn diagram is as follows -



Hence, it is clear that 'No ball is flower' does not follow the statement.

6. Read the given statements and conclusions carefully and decide which of the conclusion logically follow(s) from the statements.

Statements:

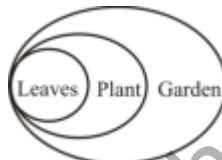
All leaves are in plant
 All plants are in garden

Conclusions:

1. All gardens have leaves
 2. All garden have plant
 (a) Only conclusion 2 follows.
 (b) Both conclusions 1 and 2 follow.
 (c) Only conclusion 1 follows.
 (d) Neither conclusion 1 nor 2 follows.

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (d) : As per question, on making the Venn diagram.



Therefore, neither conclusion 1 nor 2 follows.

7. Three statement are given followed by three conclusions :

1. All blues are bears
 2. All brides are bears
 3. All brides are children

Which of the following conclusions is/are true?

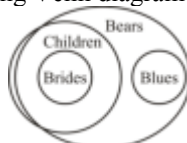
- A. Some children are bears
 B. Some blues are children
 C. Some blues are brides

D. Some brides are not children

- (a) Only C (b) Only B
 (c) Only A (d) All

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (c) : On making Venn diagram -



It is clear from above Venn diagram that only conclusion A follows.

8. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

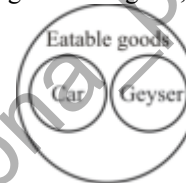
1. All Cars are Eatable Goods.
 2. All Geysers are Eatable Goods.

Conclusions:

- i. Some Cars are Geysers.
 ii. Some Geysers are Cars.
 (a) Either conclusion (i) or (ii) follows
 (b) Neither conclusion (i) nor (ii) follows
 (c) Both conclusions (i) and (ii) follow
 (d) Only conclusion (i) follows

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (b) On making Venn diagram,



It is clear from the VENN diagram that neither conclusion (i) nor (ii) follows.

9. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

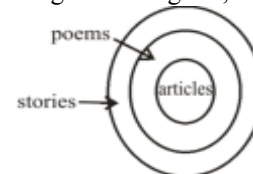
1. All poems are stories.
 2. All articles are poems.

Conclusions:

1. All articles are stories.
 2. No story is an article.
 (a) Both conclusions 1 and 2 follow
 (b) Neither conclusion 1 nor 2 follows
 (c) Only conclusion 1 follows
 (d) Only conclusion 2 follows

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (c) : On making Venn diagram,



Hence, it is clear from the above diagram that only conclusion 1 follows.

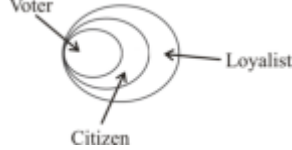
10. The conclusion that follows from the premises 'All voters are citizens' and 'All citizens are loyalists' is:

- (a) All loyalists are citizens
 (b) All voters are loyalists
 (c) All citizens are voters
 (d) All loyalists are voters

RRB NTPC 30.12.2020 (Shift-I) Stage Ist



Ans. (b) : On making the Venn diagram as per question—



Hence, it is clear from diagram that all voters are loyalists.

11. Read the given statements and conclusions carefully and decide which of the conclusions logically follows from the statements.

Statements:

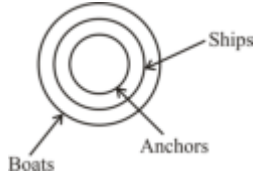
- (i) All ships are boats.
(ii) All anchors are ships.

Conclusions:

- I. All anchors are boats.
II. Some ships are anchors.
III. No anchor is boat
IV. Some boats are anchors.
(a) All four conclusions follow.
(b) Only conclusions I and III follow.
(c) Only conclusions I, II and IV follow
(d) Only conclusion III follows

RRB NTPC 12.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the statement, Venn diagram is as follows –



Hence, it is clear from above that only conclusion I, II, and IV follow.

12. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow from the statements.

Statements:

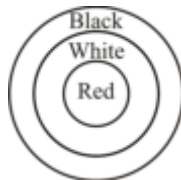
1. All red are white.
2. All white are black.

Conclusions:

1. Some white are red.
2. Some black are red
3. Some red are not black.
4. All black are white.
(a) Only conclusions 1 and 4 follow
(b) Only conclusions 1 and 3 follow
(c) Only conclusions 2 and 4 follow
(d) Only conclusions 1 and 2 follow

RRB NTPC 21.01.2021 (Shift-I) Stage Ist

Ans. (d) : As per question, Venn diagram relation will be:



Hence, it is clear that conclusions 1 and 2 follow the statement logically.

13. Select the option that cannot be concluded from the statements given below:

Statement 1: All cats are humans.

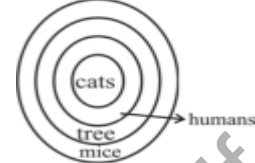
Statement 2 : All trees are mice.

Statement 3 : All human are trees.

- (a) Some humans are not mice
(b) All trees are not cats.
(c) Some trees are not cats.
(d) All cats are mice

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (a) : On making Venn diagram—



Hence, it is clear from above Venn diagram that option (a) some humans are not mice is not correct.

14. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

I. All Doctors are social workers.

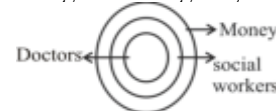
II. All Social workers need money.

Conclusions:

- I. All social workers are not doctors.
II. Doctors need money.
(a) Both conclusion I and II follow
(b) Only conclusion II follows
(c) Neither conclusion I nor II follows
(d) Only conclusion I follows

RRB NTPC 10.01.2021 (Shift-II) Stage Ist

Ans. (a) : On making Venn diagram,



It is clear from the Venn diagram that both the conclusions I and II follow.

15. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements :

1. All the potatoes are tomatoes.
2. All the tomatoes are onions.

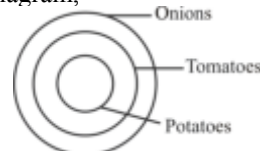
Conclusions :

- I. All the onions are tomatoes.
II. All the potatoes are onions.

- (a) Both I and II (b) Only II
(c) Only I (d) Either I or II

RRB NTPC 11.01.12021 (Shift-II) Stage Ist

Ans. (b) : According to the statement, On drawing the Venn diagram,



It is clear from the above Venn diagram that only conclusion (II) logically follows from the statements.



16. Read the given statements and conclusions carefully and decide which of the conclusions logically follows from the statements.

Statements:

1. All boards are black.
2. All blacks are white.

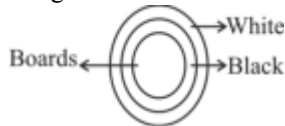
Conclusions:

1. No white is black.
2. All black are boards.
3. All white are black.
4. All boards are white.

- (a) 2 (b) 3
(c) 4 (d) 1

RRB NTPC 03.02.2021 (Shift-II) Stage Ist

Ans. (c) : Venn diagram is as follows-



Hence, it is clear from the above that conclusion 4 logically follows the statement.

17. Select the option that can be concluded from the statements given below:

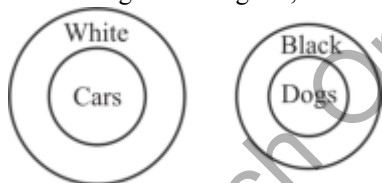
Statements:

- I. All dogs are black.
- II. All cats are white.

- (a) No animals is brown.
(b) Some animals are black and some white
(c) All animals are either black or white.
(d) Can not be determined

RRB NTPC 18.01.2017 Shift : 1

Ans. (b) : On making Venn diagram,



Cats and dogs are animals. Therefore it is clear that some animals are black and some white. Therefore option (b) is correct.

18. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

- All rats are books.
All rats are mice.

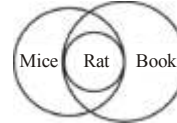
Conclusion:

1. Some books are mice.
2. All books are mice.
3. Some mice are not rats.

- (a) Only 1 and 3 follows
(b) Only 1 and 2 follows
(c) Only 1 and 2 or 3 follows
(d) Both 2 and 3 follow

RRB NTPC 07.04.2016 Shift : 3

Ans. (a) On making the diagram as per the statement,



Hence, only conclusion 1 and 3 logically follow the both statement.

19. In the question given below, are given two statements followed by a few conclusions as options. You have to take the two given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions basically follows from the two given statements disregarding commonly known facts.

Statements :

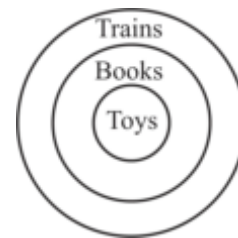
- I. All toys are books
- II. All books are trains

Conclusions:

- (a) All trains are books
(b) All books are toys
(c) Some trains are toys
(d) No train is a toy

RRB NTPC 28.04.2016 Shift : 2

Ans. (c) On making the Venn diagram as per the statement.



Hence, it is clear from the Venn diagram that some trains are toys.

20. Consider the given statements and decide which of the given conclusions do not follow from the statements

Statements :

- All Bulls are Black but not Cows
All Cows are Black

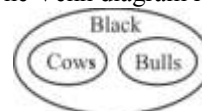
Conclusions

1. Some Cows are Bulls
2. All Black are Cows
3. All Black are Bulls

- (a) 1, 2, 3 (b) 1 and 2 only
(c) 2 and 3 only (d) 3 and 1 only

RRB NTPC 20.01.2021 (Shift-I) Stage Ist

Ans. (a) : The Venn diagram relationship is as follows,



From above Venn diagram it is clear that conclusion 1, 2 and 3 is not implicit.



21. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements :

All the pianos are instruments.

All the instruments are guitar.

Conclusions:

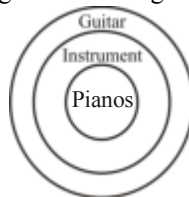
I. All the guitars are instrument.

II. All pianos are guitar.

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Neither conclusion I and Nor II follows
(d) Both conclusion I and II follow

RRB NTPC 29.04.2016 Shift : 1

Ans. (b) On making the Venn diagram as per statement.



Therefore only conclusion II follows.

22. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

1. All stars are planets.

2. All planets are moon.

Conclusions:

1. All moons are planet.

2. Some planets are star.

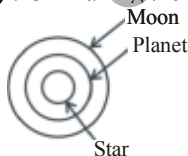
3. Some moons are stars.

4. All planets are stars.

- (a) Conclusion 1, 3 and 4 follows
(b) Conclusion 2 and 3 follows
(c) Conclusion 1, 2 and 3 follows
(d) All the conclusion follows

RRB NTPC 28.04.2016 Shift : 3

Ans. (b) : On making the Venn diagram as per statement.



Therefore, conclusion 2 and 3 follow.

23. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

All caps are books

All books are pens.

Conclusions:

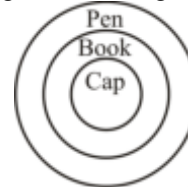
I. Some caps are not pens.

II. Some pens are caps.

- (a) Only conclusion II follows.
(b) Only conclusion I follows.
(c) Neither conclusion I nor II follows
(d) Either conclusion I or II follows

RRB NTPC 19.01.2017 Shift : 3

Ans. (a) On making the Venn diagram as per statement.



It is clear from the Venn-diagram that only conclusion 2 follows.

24. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements :

A. All buses are trucks.

B. All trucks are trains.

Conclusions:

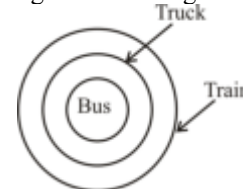
I. No train is bus.

II. Some trucks are bus.

- (a) Only conclusion I follows.
(b) Only conclusions II follows.
(c) Both conclusion I and II follow.
(d) None of the conclusion follows.

RRB NTPC 10.04.2016 Shift : 3

Ans. (b) On making the Venn diagram as per statement.



Hence, only conclusion II follows.

25. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

A. All spears are arrow.

B. All arrows are bullet.

Conclusions:

1. Some bullets are arrows.

2. Some arrows are spears.

3. Some bullets are spears.

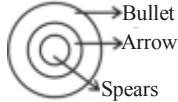
4. None of the bullet is an arrow.

- (a) Conclusion 1 and 2 is correct
(b) Conclusion 2, 3 and 4 is correct
(c) All conclusions is correct
(d) Only conclusion 1, 2 and 3 is correct

RRB NTPC 18.01.2017 Shift : 3



Ans. (d) On making the Venn diagram as per statement.



Hence, it is clear from the above diagram that only conclusion 1, 2 and 3 is correct.

26. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements :

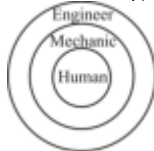
- A. All humans are mechanic.
B. All mechanics are engineer.

Conclusions :

- I. Some mechanics are humans.
II. Some engineers are mechanics.
(a) Neither conclusion I and Nor II follows
(b) Both conclusion I and II follow
(c) Only conclusion I follows
(d) Only conclusion II follows

RRB NTPC 18.01.2017 Shift : 1

Ans. (b) On making the Venn diagram as per statement.



Hence, both conclusion I and II follow.

27. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

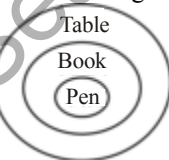
- I. All pen are books.
II. All books are table.

Conclusions:

- (a) All tables are pen. (b) Some tables pen.
(c) All books are pen. (d) No table is book.

RRB NTPC 02.04.2016 Shift : 1

Ans. (b) On making the Venn diagram as per statement.



Hence, option (b) is true.

28. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

- A. All stars are moon.
B. All moons are planet.

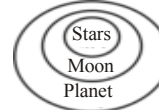
Conclusions:

- I. Some moons are star.
II. All moons are stars.

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusion I and II follow
(d) Both conclusions not follow

RRB NTPC 03.04.2016 Shift : 3

Ans. (a) On making the Venn diagram from the given statement,



Hence, only conclusion I follows.

29. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

- A. All bicycles are car.
B. All cars are bus.

Conclusions:

- I. No bus is bicycle.
II. Some cars are bicycles.

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Either conclusion I or II follows
(d) Neither conclusion I and nor II follows

RRB NTPC 04.04.2016 Shift : 3

Ans. (b) : On making the Venn diagram as per statement.



Hence, only conclusion II follows.

30. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

1. All wall clocks are analog.
2. All wrist watches are digital.
3. All analog is digital.

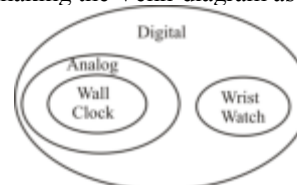
Conclusions:

- I. All wall clocks are digital.
II. At least one wrist watch is analog.

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follows
(d) Neither conclusion I nor II follows

RRB NTPC 05.04.2016 Shift : 2

Ans. (a) On making the Venn-diagram as per statement.



It is clear from the Venn-diagram that all wall clocks are digital. Therefore only conclusion I follows.



31. Read the statements and select a conclusion from the given alternatives:

Statements:

All the tablas are instruments.

All the instruments are pianos.

Conclusions:

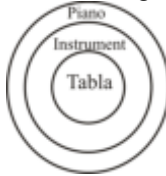
I. All the pianos are instruments.

II. All the tablas are pianos.

- (a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Either I or II follows.
(d) Neither I nor II follows.

RRB NTPC 27.04.2016 Shift : 1

Ans. (b) On making the Venn diagram as per statement.



Hence, only conclusion II follows.

32. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements : All the pens are shoes.

All shoes are walls.

Conclusions:

1. All pens are walls.

2. Some walls are pens.

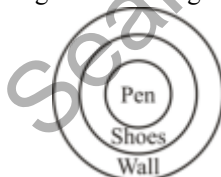
3. All walls are pens.

4. All walls are shoes.

- (a) Only conclusion 1 follows
(b) Only conclusion 1 and 2 follow
(c) Only one follows from 1, 2 and 4
(d) Only conclusion 3 follows

RRB NTPC 26.04.2016 Shift : 3

Ans. (b) On making the Venn diagram as per statement.



Hence, only conclusion 1 and 2 follows.

Type – 2 : Syllogism Based on The Statement 'Some'

33. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true even if it appears to be at variance with commonly known fact decide which of the given conclusions logically follow (s) from the statements.

Statements:

Some goods are beautiful.

Some beautiful are costly.

Conclusions :

I. Some goods are costly.

II. All costly are beautiful.

- (a) Neither conclusion I nor conclusion II follows.
(b) Only conclusion I follows.
(c) Either conclusion I or conclusion II follows.
(d) Only conclusion II follows.

RRB NTPC (Stage-II) –12/06/2022 (Shift-II)

Ans. (a) : According to the question,

The diagram is as follows-



It is clear from above diagram that Neither conclusion I nor conclusion II follows.

34. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

(A) Some scarfs are shawls.

(B) Some shawls are mufflers.

Conclusions:

I. Some scarfs are mufflers.

II. Some mufflers are shawls.

- (a) Only conclusion II follows
(b) Neither conclusion I nor II follows.
(c) Only conclusion I follows.
(d) Both conclusions I and II follow.

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (a) : On making Venn diagram as per question,



Conclusions- (I) (×)

(II) (✓)

Hence, only conclusion II follows.

35. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some papers are pencils.

Some pencils are boards.

Conclusions:

I. No paper is a board.

II. All papers are boards.

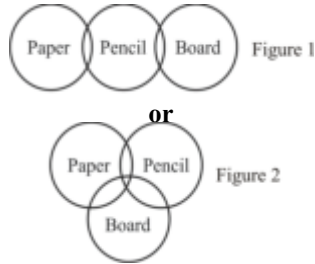
III. Some boards are not papers.

- (a) Only conclusion III follows
(b) None of the conclusions follows
(c) Only conclusion I follows
(d) Either conclusion I or II follows

RRB NTPC 04.02.2021 (Shift-I) Stage Ist



Ans. (b) : On making the Venn diagram according to statement.



Hence, none of the conclusions follows.

36. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follows from the statement.

Statements:

1. Some guns are metals.
2. Some metals are leathers.
3. Some leathers are papers.

Conclusions:

1. Some guns are not leathers.
 2. Some metals are not papers.
 3. Some papers are leathers.
 4. Some papers are not metals.
- (a) Only conclusion 2 follows
(b) Only conclusion 4 follows
(c) Only conclusion 3 follows
(d) Only conclusion 1 follows

RRB NTPC 04.03.2021 (Shift-I) Stage Ist

Ans. (c) : On making the Venn diagram according to statement.



Hence it is clear from the Venn diagram that only conclusion 3 follows.

37. Read the given statements and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements :

- Some sisters are brothers.
Very few balloons are sisters.

Conclusions :

- I. Some brothers are balloons.
 - II. Some brothers are not balloons.
- (a) Both the conclusions I and II follows.
(b) Either conclusions I or II follows.
(c) Only conclusions II follows.
(d) Only conclusions I follows.

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question.



According to question it is clear from the above Venn diagram that either conclusion I or conclusion II follows.

38. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- Some apples are grapes.
Some grapes are mangoes.

Conclusions:

- I. All apples are mangoes.
 - II. Some mangoes are apples.
- (a) Only conclusion I follows.
(b) Either conclusion I or II follows
(c) Only conclusion II follows
(d) Neither conclusion I nor II follows

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to question, Venn diagram is as follows -



Hence, it is clear by Venn diagram that neither conclusion I nor II follows.

39. Read the given statements and conclusions carefully and decide which of the conclusions logically follow from the statements.

Statements:

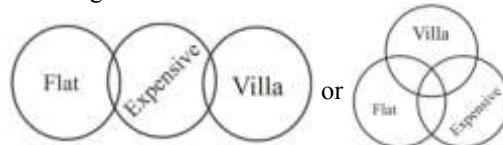
1. Some flats are expensive.
2. Some expensive are villas.

Conclusions:

1. Some villas are expensive.
 2. No flat is villa.
 3. Some villa are flat.
 4. All villas are expensive.
- (a) Only conclusion 1 follows
(b) Only conclusion 4 follows
(c) Only conclusion 1 and 3 follows
(d) Only conclusion 3 follows

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the statements, Venn diagram is as follows -



It is clear from the Venn diagram that only conclusion 1 follows.

40. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

1. Some boys are cricketers.
2. Some girls are cricketers.

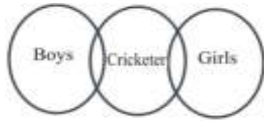
Conclusions:

1. All girls are cricketers.
 2. Some cricketers are girls.
- (a) Neither conclusions 1 nor 2 follows
(b) Only conclusion 1 follows
(c) Both conclusions 1 and 2 follow
(d) Only conclusion 2 follows

RRB NTPC 01.04.2021 (Shift-I) Stage Ist



Ans. (d) : According to the statement, Venn diagram is as follows -



It is clear from the Venn diagram that only conclusion 2 logically follows the statement.

41. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

Some elephants are lions.

Some lions are camels.

Conclusions:

I. Some elephants are camels.

II. All lions are elephants.

(a) Only conclusion I follows.

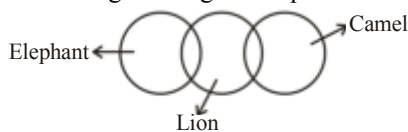
(b) Only conclusion II follows.

(c) Neither conclusion I nor II follows.

(d) Both conclusion I and II follow.

RRB NTPC 28.04.2016 Shift : 1

Ans. (c) On making the diagram as per the statement.



Hence, neither conclusion I nor II follows.

42. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

Some ducks are birds.

Some Birds are cows.

Conclusions:

I. Some ducks are cow.

II. Some cows are ducks.

(a) Only conclusion II is true

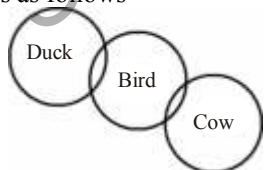
(b) Both conclusion I and II appropriate

(c) Only conclusion I appropriate

(d) Neither conclusion I nor II is appropriate

RRB NTPC 19.01.2017 Shift : 3

Ans. (d) According to the question, Venn diagram is as follows



Hence, neither conclusion I nor II is appropriate.

43. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

1. Some children are clever

2. Some children are players.

Conclusions:

I. Some players are clever.

II. Some clever children are players.

(a) Only conclusion I follows

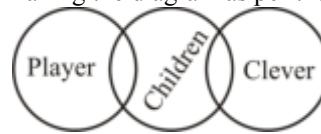
(b) Only conclusion II follows

(c) Both conclusions I and II follow

(d) No conclusion follows

RRB NTPC 19.01.2017 Shift : 2

Ans. (d) On making the diagram as per the statement.



Hence, it is clear that 'No conclusion follows.'

44. Below are two statements. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts.

Statements:

1. Some trees are buildings.

2. Some buildings are parrots.

Decide which of the below conclusions logically follows from the given statements.

(a) All parrots are tree

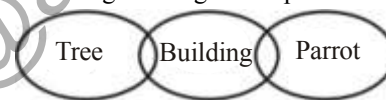
(b) All parrots are buildings

(c) Some parrots are buildings

(d) None of the parrot is tree

RRB NTPC 02.04.2016 Shift : 3

Ans. (c) On making the diagram as per the statement.



Hence, "some parrots are building" given in the option (c) is logical.

45. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

(a) Some doctors are patients.

(b) Some patients are honest

Conclusions:

I. Some doctors are honest.

II. All patients are doctors.

(a) Only conclusion I follows

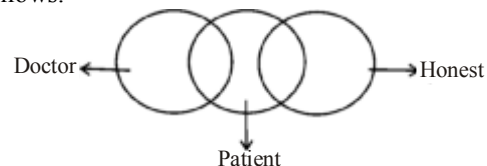
(b) Only conclusion II follows

(c) Both conclusion I and II follow

(d) Both conclusion I and II not follow

RRB NTPC 04.04.2016 Shift : 2

Ans. (d) According to the statement the venn diagram is as follows.



Hence, conclusion I and II both does not follow.

46. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

Some pearls are green.

Some gems are Jewellery.

**Conclusions :****I . Some gems are pearls.****II. Some Jewellery is gems.**

- (a) Only conclusion I appropriate
 (b) Either conclusion I or II appropriate
 (c) Neither conclusion I and nor II are appropriate
 (d) Only conclusion II is appropriate

RRB NTPC 17.01.2017 Shift-3**Ans. (d)** On making the Venn diagram as per statement.

From the above diagram it is clear that only conclusion II is appropriate.

Type – 3 : Syllogism Based on Both 'Some' and 'All' statement

47. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:**Some mangoes are oranges.****All oranges are grapes.****Conclusions:****I. All grapes are oranges.****II. All mangoes are grapes.**

- (a) Only conclusion I follows
 (b) Only conclusion II follows
 (c) Neither conclusion I nor II follows
 (d) Both conclusions I and II follow

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)**Ans. (c)** : According to the question, Venn diagram is as follows,**Conclusion:-**

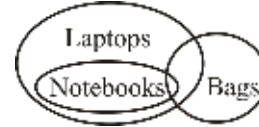
- (I) (✗)
 (II) (✗)

Hence, Neither conclusion I nor II follows.

48. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements,

Statements :**Some bags are notebooks.****All notebooks are laptops.****Conclusions:****I. Some bags are laptops.****II. All laptops are notebooks.**

- (a) Neither conclusion I nor II follows
 (b) Only conclusion II follows
 (c) Both conclusions I and II follow
 (d) Only conclusion I follows

RRB NTPC (Stage-II) –16/06/2022 (Shift-III)**Ans. (d)** : According to the question, Venn diagram is as follows,

Hence, Only conclusion I follows.

49. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:**(a) Some boxes are bags.****(b) All pouches are bags.****Conclusions:****I. Some bags are boxes.****II. Some pouches are boxes.**

- (a) Both conclusions I and II follow
 (b) Only conclusion I follows
 (c) Neither conclusion I nor II follows
 (d) Only conclusion II follows

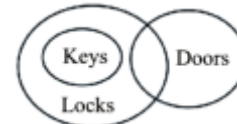
RRB NTPC (Stage-II) –17/06/2022 (Shift-I)**Ans. (b)** : On making Venn-diagram, According to the statements-

It is clear from above diagram that only conclusion I follows.

50. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements :**I. All keys are locks****II. Some locks are doors****Conclusions :****I. Some door are keys****II. Some doors are locks**

- (a) Both the conclusions follow
 (b) Neither conclusion I nor II follows
 (c) Only conclusion II follows
 (d) Only conclusion I follows

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)**Ans. (c)** : According to the statement, Venn diagram is as follows-

It is clear from above diagram that only conclusion II follows.

51. Read the given statements and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.



Statements:

All rocks are bangles

Some rings are chains.

Conclusions:

1. Some bangles are rocks.

2. Some chains are bangles.

(a) Neither conclusion I nor II follows

(b) Only conclusion I follows.

(c) Both conclusions I and II follow

(d) Only conclusion II follows.

RRB NTPC (Stage-II) –17/06/2022 (Shift-II)

Ans. (b) : On making Venn diagram as per statement-



Conclusions- (I) (✓)
(II) (×)

Hence, Only conclusions I follows.

52. Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements :

(a) Some fries are cake

(b) All burgers are cakes.

(c) All cakes are chips.

Conclusions:

I. All fries are chips.

II. Some chips are fries

III. All burgers are chips.

(a) Only conclusion I and II follow.

(b) All the conclusions follow.

(c) Only conclusion I and II follow.

(d) Only conclusion II and III follow.

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)

Ans. (d) : According to the question, Venn diagram is as follows -



Hence, only conclusions II and III follow.

53. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements :

Some papers are tables

Some ropes are table

All tables are clothes

Conclusions:

(I) Some papers are clothes

(II) Some ropes are clothes

(III) No cloth is a rope

(IV) No paper is a rope

(a) None of the conclusions follow.

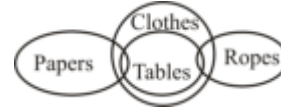
(b) Only conclusion I follows.

(c) Only conclusion III and IV follow.

(d) Only conclusions I, II follow.

RRB NTPC (Stage-II) –15/06/2022 (Shift-I)

Ans. (d) : According to the question, Venn diagram is as follows,



Conclusions :

(I) → ✓

(II) → ✓

(III) → ×

(IV) → ×

Only conclusions I and II follow.

Hence, option (d) is correct.

54. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements

Statements:

All computers are laptops

Some laptops are mobiles

Conclusions:

I. Some computers are mobiles

II. Some mobiles are computers

III. Some mobiles are laptops.

(a) Only conclusion II follows

(b) Only conclusion III follows

(c) Only conclusions I and II follow

(d) All conclusions I, II and III follow

RRB NTPC (Stage-II) –15/06/2022 (Shift-I)

Ans. (b) : On making Venn diagram, according to the statement -



Conclusions: (I) = ×

(II) = ×

(III) = ✓

Hence option (b) is correct.

55. Given below are two statements and two conclusions. Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All students are teachers.

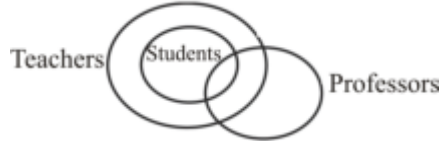
Some professors are students.

**Conclusions:**

- A. Some students are professors.
 B. Some teachers are professors.
 (a) Only conclusion A follows.
 (b) Only conclusion B follows.
 (c) Neither conclusion A nor B follows
 (d) Both conclusions A and B follow

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)

Ans. (d) : According to the question,
 Venn diagram is as follows -



It is clear from above that both conclusions A and B follow.

56. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

- I. Some bats are balls.
 II. All racquets are tables.
 III. All balls are racquets.

Conclusions:

- I. Some bats are racquets.
 II. All racquets are balls.
 III. All tables are bats.
 IV. All racquets are bats.
 (a) Only III and IV follow
 (b) Only conclusion II follows
 (c) Only conclusions I and II follow
 (d) Only conclusion I follows

RRB NTPC 27.03.2021 (Shift-II) Stage Ist

Ans. (d) : On making the Venn diagram according to question-



It is clear from the Venn diagram that some bats are racquets.

Hence option (d) is correct.

57. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- All Roses are Red.
 Some Red are Colours.
 All Colours are Paints.

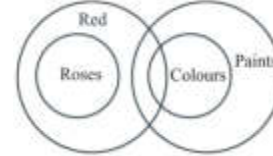
Conclusions:

- I. Some Red are Paints.
 II. All Red are Roses.

- (a) Only conclusion II follows
 (b) Neither conclusion I nor II follow
 (c) Only conclusion I follows
 (d) Both conclusion I and II follow

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (c) : According to the question Venn diagram is as follows -



The following Venn diagram shows that only conclusion I follows the statement logically.

58. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known fact, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- A. All papayas are fruits.
 B. Some fruits are vegetables.
 C. All vegetables are vegans.

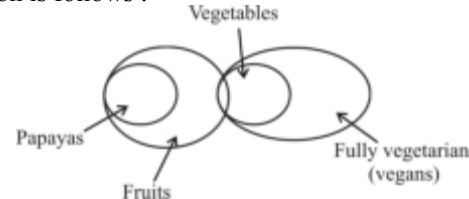
Conclusions:

- i. Some vegetables are papayas.
 ii. Some vegans are fruits.
 iii. Some vegans are papayas.
 iv. Some fruits are papayas.

- (a) Only (i) follows
 (b) Only (iv) follows
 (c) Only (ii) and (iv) follow
 (d) Only (ii) and (iii) follow

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (c) : According to the statement, Venn diagram relation is follows :



Hence, it is clear from the diagram that conclusion (ii) and (iv) follow.

59. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements :

- Some dark are black.
 Some black are grey.
 All grey are red.
 All red are babies.

Conclusions :

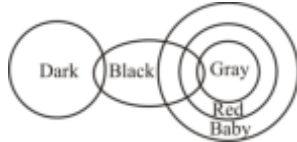
- I. Some red are black.
 II. Some babies are black.
 III. Some babies are grey.
 IV. Some red is dark.

- (a) Only I and II follow.
 (b) III or IV follow.
 (c) I, II and III follow.
 (d) Only I, II and III or IV follow.

RRB NTPC 11.04.2016 Shift : 3



Ans. (c) On making the diagram as per the statement-



Hence, it is clear that conclusion I, II and III follows.

60. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All mobiles are watches. Some watches are not books:

Conclusions:

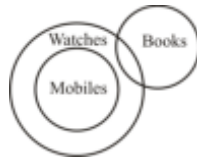
1. Some mobiles are watches.

2. All mobiles are books.

- (a) Only conclusion 1 follows
(b) Either conclusion 1 or 2 follows
(c) Only conclusion 2 follows
(d) Both the conclusions follow

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the statement, venn diagram is as follows –



From the above Venn diagram it is clear that only conclusion 1 logically follows.

61. Read the given statements and conclusion carefully and decide which of the options is most appropriate with respect to the statements.

Statements:

(i) Some individuals are weak in English.

(ii) All those who are weak in English are artists.

Conclusion:

Some artists are not individuals

- (a) The conclusion is definitely false
(b) The conclusion is definitely true
(c) The conclusion is irrelevant
(d) The conclusion is probably true

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (d) : On making the Venn diagram as per the statement,



It is clear from the diagram that the conclusion 'some artists are not individuals' is probably true.

62. Read the given statements carefully.

Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, from the given options decide which conclusion logically follows from the statements.

Statement 1 : Some locks are keys.

Statement 2 : All keys are doors.

Conclusions :

- (a) No lock is door
(b) All locks are doors
(c) Some locks are doors
(d) All doors are keys

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Ans. (c) : According to the statement, the Venn diagram is as follows-



So, it is clear from the above venn diagram that some locks are doors.

63. Consider the given statements and decide which of the given assumptions is/are not implicit in the statements.

Statements :

Some Grass is Green.

All Green is Red.

- (a) Some Green is Grass
(b) All Red is Green
(c) Some Grass is Red and Green
(d) Some Grass is Red

RRB NTPC 20.01.2021 (Shift-I) Stage Ist

Ans. (b) : From the statement, venn diagram relation is as follows.



Hence, it is clear from above that option (b) is not implicit in the statement.

64. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements :

Statements :

All Matter is Space

Some Mass is Matter

Conclusions :

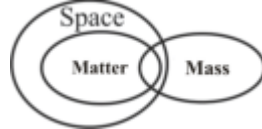
- A. All Mass is Space
B. Some Mass is Space
C. Some Space is Mass
D. All Space is Mass
E. All Matter is Mass

- (a) D, B (b) B, C
(c) A, C (d) A, E

RRB NTPC 20.01.2021 (Shift-I) Stage Ist



Ans. (b) : From given statement -



It is clear from above Venn diagram that conclusion B and C is logically follows.

65. Consider the given statements and decide which of the given assumptions is/are implicit in the statements.

Statements :

Some Benches are Nails
All Benches and Nails are Metal
Some Woods are Nails

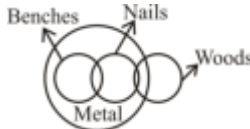
Assumptions :

A. Some Woods are only Metal
B. Some Woods are only Benches
C. Some Benches are Woods
D. Some Metal are Woods

(a) A (b) B
(c) C (d) D

RRB NTPC 20.01.2021 (Shift-I) Stage Ist

Ans. (d) : As per statement the Venn diagram is as follows -



Assumption some metal are woods is implicit in statement.

66. Read the given statements carefully and decide which conclusion from the given option does not logically follow from the statements.

Statement 1 : All potatoes are garlic.

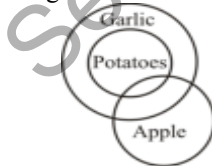
Statement 2 : Some garlic are apples.

Statement 3 : Some potatoes are not apples.

(a) Some apples are not potatoes but they are garlic
(b) All garlic are either apples or potatoes
(c) Some apples are garlic
(d) Some garlic are neither apples nor potatoes

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (b) : Venn diagram is as follows -



Hence, it is clear that option (b) is correct.

67. Select the option that cannot be concluded from the given statements.

Statement 1. All slippers are shoes.

Statement 2. Some heels are slippers.

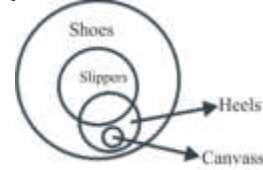
Statement 3. All canvas are heels.

Statement 4. All heels are shoes.

(a) All slippers are heels
(b) All heels are shoes
(c) All canvass are shoes.
(d) Some heels are canvas.

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Ans. (a) From given statement -



It is clear from the above that, the correct answer is option (a).

68. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statement.

Statements:

1. All lions are cats
2. Some cats are pets
3. All pets are animal

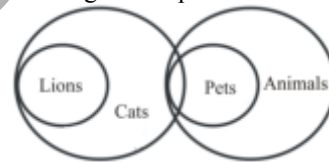
Conclusions :

I. Some cats are animal
II. All the lions are animal

(a) Only conclusion I follows.
(b) Both conclusion I and II follow.
(c) Neither conclusion I nor II Follows.
(d) Only conclusion II follows.

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (a) : According to the question -



It is clear from the above Venn diagram that only conclusion I follows.

69. If 'some artist are celebrities' and 'all celebrities are millionaires', then which of the given conclusions follow?

(a) All artist are millionaires
(b) No celebrities are millionaires
(c) Some artists are millionaires
(d) No millionaires are celebrities

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to question venn diagram is as follows -



It is clear from above diagram that only conclusion (c) follows.

70. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements :

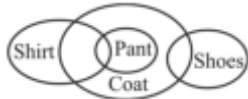
Some shirts are pants.
All pants are coats.
Some coats are shoes.

**Conclusions :****I. Some pants are shoes.****II. Some shirts are coats.****III. All shirts are coats.****IV. No pants are shoes.**

- (a) Only conclusion III follows.
 (b) Either conclusion I or II and IV follow.
 (c) Either conclusion I or II follows.
 (d) Only conclusion II follows.

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the statement, the venn diagram is as follows -



It is clear from the above diagram that only conclusion II follows.

71. Read the given statements and conclusions carefully and decide which of the conclusions logically follow from the statement.

Statements:

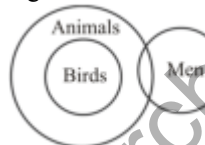
1. All birds are animals.
 2. Some animals are men.

Conclusions:

1. No men is animal.
 2. All animals are birds.
 3. Some men are animals.
 4. Some men are birds.
 (a) Only conclusion 1 follows
 (b) Only conclusion 3 follows
 (c) Only conclusion 2 follows
 (d) Only conclusion 4 follows

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the statements -



It is clear from the above Venn diagram that only conclusion 3 logically follows from the statements.

72. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:**All rats are cats.****Some cats are dogs.****Conclusions:**

- I. Some rats are dogs**
II. No rat is dog.
III. Some cats are rats.
 (a) Only conclusion I follows
 (b) Only conclusion III follows
 (c) Both conclusions I and III follow
 (d) Only conclusion II follows

RRB NTPC 04.02.2021 (Shift-II) Stage Ist

Ans. (b) : According to statement, Venn diagram is as follows-



Hence it is clear that only conclusion III follows.

73. Read the statements and conclusions carefully. Take the statements true, even if they are different. And state whether which of the conclusions follow statement logically.

Statement - Some toffees are candy**Every candy is a lolipop****Conclusions -****I- No lolipop is a toffee****II- Some lolipop are candy.**

- (a) Neither conclusion I nor II follow
 (b) Only conclusion I follows
 (c) Either I or II conclusion follow
 (d) Only conclusion II follows

RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (d) : According to the Venn diagram-



Hence, it is clear that only conclusion (II) follows from the given statement.

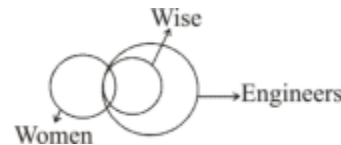
74. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:**Some women are wise.****All wise are engineers.****Conclusions:****I. Some women are engineers.****II. All engineers are wise.**

- (a) Both, conclusion (I) and (II) follow.
 (b) Only conclusion (I) follows.
 (c) Only conclusion (II) follows.
 (d) Neither conclusion I nor conclusion II follows.

RRB NTPC 04.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the statement, venn diagram is as follows -



It is clear from above diagram that only conclusion I follows.

75. Read the given statements and conclusions carefully. Assuming that the information given in the statement is true even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follows from the given statements.

Statements:**(1) All desks are bags.****(2) Some bags are pillows.****(3) Some bags are not chairs.**

**Conclusions:****1. Some desks are pillows.****2. Some pillows are chairs.**

(a) Both conclusion 1 and 2 follow

(b) Only conclusion 2 follows

(c) Only conclusion 1 follows

(d) Neither conclusion 1 nor 2 follows

RRB NTPC 25.01.2021 (Shift-II) Stage Ist**Ans. (d) :** According to the statements, Venn diagram is as follows -

It is clear from the above Venn diagram that neither conclusion 1 nor 2 follows.

76. Read the given statements. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, select the option that CANNOT be concluded from the statements.

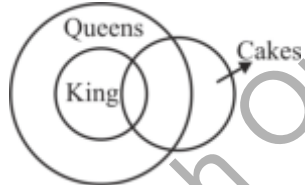
Statement P: All kings are queens.**Statement Q: Some queens are cakes.****Statement R: Some kings are cakes.**

(a) Some cakes are not kings but they are queens.

(b) Some cakes are both queens and kings

(c) Some queens are neither cakes nor kings.

(d) All queens are either cakes or kings.

RRB NTPC 01.03.2021 (Shift-I) Stage Ist**Ans. (d) :** According to question, Venn, diagram is as follows,

It is clear from above Venn diagram that option (d) cannot be concluded from the following statements.

77. Consider the given statements and decide which of the assumptions given in the options is NOT implicit in the statements.

Statements :**All birds are wings.****Some wings are feathers.****Some feathers are birds.**

(a) Some birds are feathers.

(b) Some birds are wings and feathers.

(c) Some feathers are wings.

(d) All wings are birds.

RRB NTPC 22.01.2021 (Shift-I) Stage Ist**Ans. (d) :** According to the statements, Venn diagram is as follows—

Hence, it is clear from the Venn diagram that all wings are birds is not implicit in the statement.

78. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true, even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements.

Statements:**1. All professors are hero****2. Some professors are unmarried****Conclusions:****I. All the heroes are unmarried.****II. Some unmarried are heroes.**

(a) Neither conclusion (I) nor conclusion (II) follows

(b) Only conclusion I follows

(c) Only conclusion II follows

(d) Both conclusions I and II follow

RRB NTPC 24.07.2021 (Shift-I) Stage Ist**Ans. (c) :** According to the statement, Venn diagram is as follows -

Hence, it is clear from above diagram that only conclusion II follows.

79. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true, even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements.

Statement :**Some editors are writers. All actors are writers.****Conclusions :****I. Some editors are writers****II. No actor is an editor.**

(a) Neither conclusion I nor II are true

(b) Only conclusion II is true

(c) Only conclusion I is true

(d) Either conclusion I or II are true

RRB NTPC 17.01.2017 Shift-3**Ans. (c)** On making the Venn diagram as per statement.

From the above Venn-diagram only conclusion I is correct.

80. Statements :**All pens are pencils. Some pencils are rubbers.****Some rubbers are ropes. All ropes are tents.****Conclusions:****I. Some tents are pencil****II. Some ropes are pens.****III. Some rubbers are pens.****IV. Some pencils are pens.**

(a) Only I and II follow

(b) Only I, II and III follow

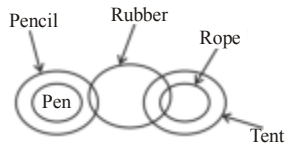
(c) Only I and II follow

(d) Only IV follow

RRB NTPC 11.04.2016 Shift : 1



Ans. (d) On making the venn diagram as per the statement,



Hence, only conclusion IV follows.

81. Statements : Some buds are flowers.

All flowers are trees.

All trees are leaves.

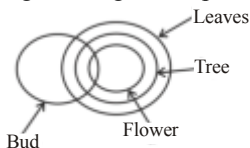
Conclusions : I. Some leaves are buds.

II. All flowers are leaves.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both conclusion I and II follow
- (d) Neither conclusion I nor II follows

RRB NTPC 12.04.2016 Shift : 3

Ans. (c) On making the diagram as per the statement,



Hence, conclusion I and II both follow.

82. Statements : Some monkeys are donkeys.

All donkeys are yellow.

Some yellows are blue.

Conclusions: I. All donkeys are yellow.

II. Some blue are yellow.

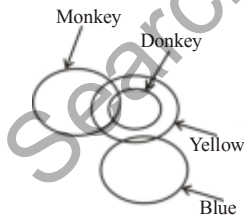
III. Some donkeys are blue

IV. All yellow are donkeys.

- (a) Only conclusion IV or III follow.
- (b) Only conclusion I and II follow.
- (c) Only conclusion I or IV and II follows.
- (d) Both conclusion I and II follow.

RRB NTPC 12.04.2016 Shift : 1

Ans. (d) On making the venn diagram as per the statement



From the above Venn-diagram it is clear that both conclusion I and II follows.

83. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true, even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements.

Statements :

Some doors are cupboards. All cupboards are windows.

Conclusion :

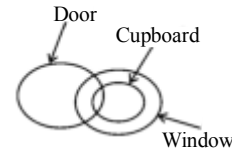
I. Some doors are windows

II. No cupboards is door.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Either conclusion I or II follows
- (d) Neither conclusion I nor II follows

RRB NTPC 12.04.2016 Shift : 1

Ans. (a) On making the venn diagram as per the statement,



From the above Venn-diagram only conclusion I follows.

84. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true, even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements.

Statements : Some papers are pencils.

Some pencils are rubbers.

All rubbers are boxes.

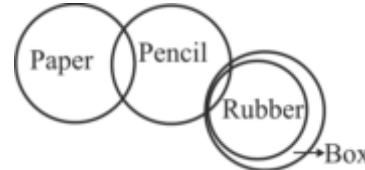
Conclusions : I. Some rubbers are papers.

II. Some papers are boxes.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both conclusion I and II follows
- (d) Neither conclusion I nor II follows

RRB NTPC 16.04.2016 Shift : 2

Ans. (d) On making the Venn diagram as per the statement,



From the above diagram neither conclusion I nor II follows.

85. Statements: A. Some computers are printers.

B. All modems are printers.

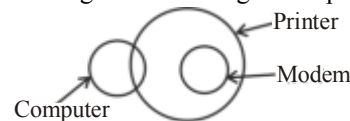
Conclusions: I. All computers are printers.

II. Some printers are modems.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) I and II both follow
- (d) Neither I nor II follows

RRB NTPC 18.04.2016 Shift : 3

Ans. (b) On making the Venn diagram as per statement,



From the above diagram only conclusion II follows.

86. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true, even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements.



Statements :

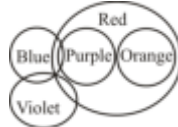
1. Some blue is violet while some is purple
2. All orange are red and some red is violet.
3. All purple is red.

Conclusions :

- I. Some red is blue.
 - II. Some orange is violet.
- (a) Only conclusion I follows
 - (b) Only conclusion II follows
 - (c) Both I and II follow
 - (d) Neither I nor II follows

RRB NTPC 11.04.2016 Shift : 2

Ans. (a) On making the venn diagram as per the statement,



Hence, only conclusion I follows the statements.

- 87. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true, even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements.**

Statements: All locks are keys.

Some keys are bed.

Some beds are windows

Conclusions : I. Some windows are keys.

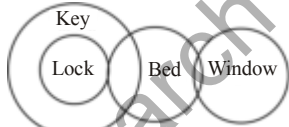
II. Some windows are locks.

III. Some beds are keys.

- (a) Only I follows
- (b) Only II follows
- (c) Only III follows
- (d) Only II and III follow

RRB NTPC 07.04.2016 Shift : 1

Ans. (c) On making the venn diagram as per the statement,



Hence, only conclusion III follows.

- 88. Statements :** All bags are beds.

Some beds are maps.

All maps are round.

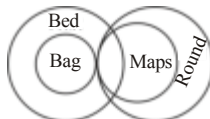
Conclusions: I. Some bags are round.

II. No map is round.

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusion I or II is true
- (d) Neither conclusion I nor II is true

RRB NTPC 07.04.2016 Shift : 1

Ans. (d) On making the venn diagram as per the statement,



Hence, neither conclusion I nor II is true.

- 89. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true, even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements.**

Statements :

All button are pink

Some pink are black.

Some black are bells.

All bells are white.

Conclusion :

I. Some black is white.

II. Some bells are pink.

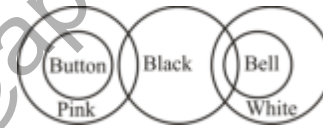
III. Some pink are buttons.

IV. No button is white.

- (a) Only I and III follow
- (b) III or IV follows
- (c) Only I and either III, IV follows
- (d) Only I, II and either III or IV follows

RRB NTPC 11.04.2016 Shift : 3

Ans. (a) On making the venn diagram as per the statement,



Hence, only conclusion I and III follows.

- 90. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true, even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements.**

Statements :

All countries are districts.

Some village are not districts.

Conclusions :

1. All countries are village.

2. Some countries are village.

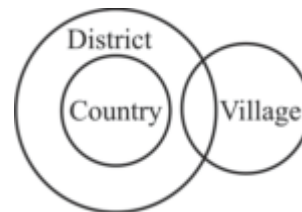
3. Some villages are not countries.

4. Some countries are not villages.

- (a) No Conclusion follows
- (b) Only 2 and 4 follow
- (c) Only 2 and 3 follow
- (d) All the conclusion follows

RRB NTPC 07.04.2016 Shift : 3

Ans : (a) On making the venn diagram as per the statement,



It is clear from the above Venn-diagram that none of them logically follows the statement.



91. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true, even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements.

Statements : Some pillows are cups.

Some cups are chairs.

All chairs are desk.

Conclusions: I. Some desk are cups

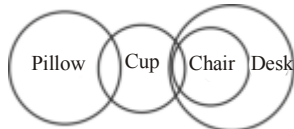
II. Some chairs are pillows

III. No chair is cup.

- (a) Only I follows
(b) Either II or III follows
(c) Only I and II or III follows
(d) Only III follows

RRB NTPC 07.04.2016 Shift : 1

Ans. (a) On making the venn diagram as per the statement,



Hence, it is clear that only conclusion I follows.

92. Statements:

All the doors are keys.

All the keys are bats

Some clocks are bats.

Conclusions:

1. All doors are bats

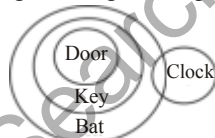
2. Some clocks are keys

3. All the keys are doors

- (a) Only (1) and (2) follow.
(b) Only (1) follows.
(c) Only (2) follows.
(d) Only (1) and (3) follow.

RRB NTPC 27.04.2016 Shift : 3

Ans. (b) On making the diagram as per the statement.



Hence, only conclusion (1) follows.

93. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true, even if it seems to be at variance from commonly known facts, decide which of the given conclusions logically follows from the given statements.

Statements:

Some images are answer.

Some answers are video.

All the videos are poems.

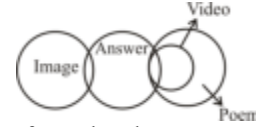
Conclusions:

1. Some videos are answer.
2. Some poems are images.
3. All the images are poems.
4. Some poems are answers.

- (a) Only (1) and (2) follow.
(b) Only (1) and (4) follow.
(c) Only (1) and (3) follow.
(d) Only (2) and (4) follow.

RRB NTPC 27.04.2016 Shift : 3

Ans. (b) On making the venn diagram as per the statement,



Hence, it is clear from the above venn diagram that only conclusion 1 and 4 logically follow the statement.

94. Statements:

Some cups are pins.

Some pins are covers.

All the covers are pens.

Conclusions:

1. Some pens are pins.

2. Some covers are cups.

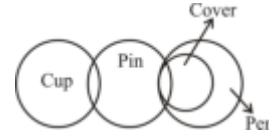
3. No cup is pin.

4. Some pins are cups.

- (a) Only (1) and (2) follow.
(b) Only (2) and (4) follow.
(c) Only (2) and (3) follow.
(d) Only (1) and (4) follow.

RRB NTPC 27.04.2016 Shift : 3

Ans. (d) On making the Venn diagram as per the statement,



Hence, it is clear from above venn diagram that only statement 1 and 4 follow.

95. Statements:

Some doctors are kings.

All kings are beautiful.

Conclusions:

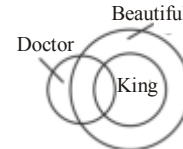
I. All doctors are beautiful.

II. All kings are doctors.

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Either conclusion I or II follows
(d) Neither conclusion I nor II follows

RRB NTPC 27.04.2016 Shift : 1

Ans. (d) On making the venn diagram as per the statement,



Hence, neither conclusion I nor II follows.

96. Statements:

Some benches are auto.

All the boxes are auto.

All the pens are benches.

Conclusions:

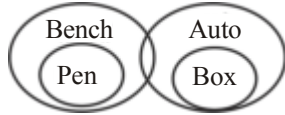
- (1) Some benches are boxes.
(2) No pen is auto.
(3) Some boxes are benches.



- (a) None of these
 (b) Only (1) and (2)
 (c) Only (1) and (3) follow.
 (d) Only (2) and (3) follow.

RRB NTPC 29.04.2016 Shift : 2

Ans. (a) On making the venn diagram as per the statement,



Hence, none of the conclusion follows.

Read the statements and select a conclusion from the given alternatives.

97. **Statements :**

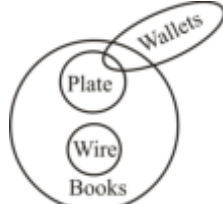
All the wires are books
 All the plates are books
 Some wallets are plates

Conclusions :

- (1) Some wires are plates
 (2) Some books are wires
 (3) Some books are wallets
 (a) Only (1) follow.
 (b) Only (2) and (3) follow.
 (c) Only (1) and (2) follow.
 (d) Only (1) and (3) follow.

RRB NTPC 29.04.2016 Shift : 2

Ans. (b) On making the venn diagram as per the statement,



Hence, only conclusion (2) and (3) follow.

Read the statements and select a conclusion from the given alternatives.

98. **Statements :**

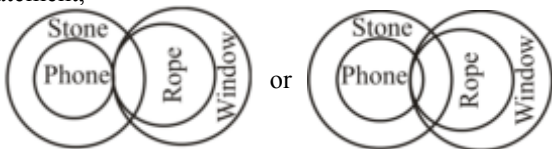
All phones are stones.
 Some stones are ropes.
 All ropes are windows.

Conclusions :

- I. Some phones are windows.
 II. Some windows are stones.
 III. Some phones are not windows
 IV. All windows are ropes.
 (a) Only conclusion I and II follow
 (b) Only conclusion I, II and III follow
 (c) Any one from I or III, and II follow
 (d) Any one from I or III and IV follows.

RRB NTPC 30.04.2016 Shift : 3

Ans. (c) : On making the venn diagram as per the statement,



It is clear that some phones can be windows or cannot be, while some windows are stones. Therefore any one conclusion I or III and II follows.

Read the statements and select a conclusion from the given alternatives.

99.

Statements :

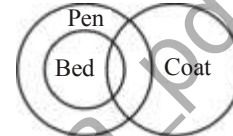
All beds are pens.
 Some beds are coats.

Conclusions :

1. All beds are pen
 2. Some coats are pen
 3. All coats are pens.
 4. Some coats are definitely not pens.
 (a) Only conclusion 1 and 2 follow
 (b) Only conclusion 2 and 3 follow
 (c) Only conclusion 2 follows
 (d) Only conclusion 4 follows

RRB NTPC 30.04.2016 Shift : 3

Ans. (a) On making the venn diagram as per the statement



It is clear from the venn diagram that only conclusion 1 and 2 follow.

Read the statements and select a conclusion from the given alternatives.

100.

Statements :

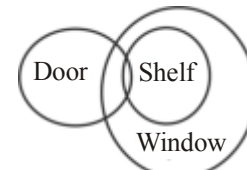
Some doors are shelves
 All the shelves are windows

Conclusions:

1. Some doors are windows
 2. No shelf is door
 (a) Only conclusion (1) follows
 (b) Only conclusion (2) follows
 (c) Either (1) or (2) follows
 (d) Neither (1) nor (2) follows

RRB NTPC 29.04.2016 Shift : 2

Ans. (a) On making the venn diagram as per the statement,



Hence, it is clear from the diagram that only conclusion 1 follows.

101. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements :

1. Some pens are cats.
 2. All cats are buses.

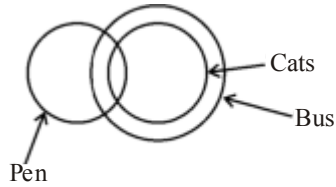
Conclusions :

- (a) All buses are cats
 (b) Some buses are cats
 (c) None of the buses are cats
 (d) All buses are pen

RRB NTPC 28.04.2016 Shift : 3



Ans : (b) On making the venn diagram as per the statement,



Hence, option (b) is correct.

102. In the question below are given two statements followed by some conclusions options. You have to take the two given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follow(s) from the two given statements disregarding commonly known facts.

Statements:

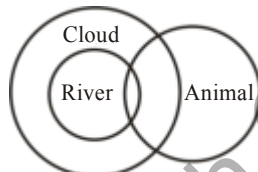
- A. All rivers are cloud**
B. Some animals are rivers

Conclusions :

- 1. Some rivers are animal**
2. Some clouds are rivers
3. All clouds are rivers
4. All animals are cloud
 (a) Conclusions 1 and 2 both follow
 (b) Conclusions 1, 2 and 3 follow
 (c) Conclusions 1 and 3 follow
 (d) Conclusions 2, 3 and 4 follow

RRB NTPC 28.04.2016 Shift : 2

Ans. (a) On making the venn diagram as per the statement,



Hence, it is clear from the above venn diagram that only conclusion 1 and 2 both follow.

Read the statements and select a conclusion from the given alternatives.

103. Statements:

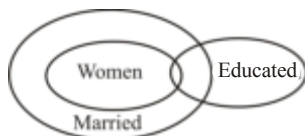
- All women are married.**
Some women are educated.

Conclusions :

- I. Some married are educated**
II. Some educated are married.
 (a) Both conclusion I and II follow
 (b) Only conclusion II follows
 (c) Either conclusion I and or II follows
 (d) Only conclusion I follows

RRB NTPC 19.01.2017 Shift : 1

Ans : (a) On making the Venn-diagram as per the statement,



Hence, both conclusion I and II follow.

Read the statements and select a conclusion from the given alternatives.

104. Statements:

- All girls are humans.**
Some animals are humans.

Conclusions :

- I. Some humans are girls.**
II. All animals are girls.
 (a) Only conclusion I follows
 (b) Only conclusion II follows
 (c) Both conclusion I and II follow
 (d) Neither conclusion I nor II follows

RRB NTPC 07.04.2016 Shift : 1

Ans. (a) On making the venn diagram as per the statement,



Hence, it is clear from the above venn diagram that only conclusion I follows.

Read the statements and select a conclusion from the given alternatives.

105. Statements: All birds are tall,

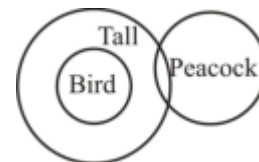
Some tall are peacocks.

Conclusions :

- I. Some birds are peacock.**
II. Some peacocks are tall.
 (a) Both conclusion I and II follow
 (b) Neither conclusion I nor II follows
 (c) Only conclusion I follows
 (d) Only conclusion II follows

RRB NTPC 16.04.2016 Shift : 3

Ans. (d) On making the venn diagram as per the statement,



Hence, only conclusion II follows.

Read the statements and select a conclusion from the given alternatives.

106. Statements:

- A. Some cats are rats.**
B. All rats are dogs.

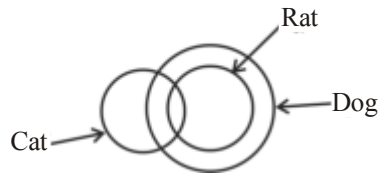
Conclusions :

- I. All dogs are rats.**
II. Some dogs are cats.
 (a) Only conclusion I follows
 (b) Only conclusion II follows
 (c) Both conclusion I and II follow
 (d) Neither conclusion I nor II follows

RRB NTPC 18.04.2016 Shift : 3



Ans. (b) On making the venn diagram as per the statement,



It is clear from the above diagram that only conclusion II follows.

Read the statements and select a conclusion from the given alternatives.

107. Statements:

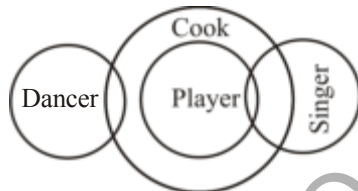
1. All players are cooks.
2. Some singers are players and some cooks are dancer.

Conclusions:

- (A) All singers are cooks.
 - (B) Some dancers are cooks.
 - (C) There is no cook who is not player.
 - (D) There are some singers who are cooks.
- (a) Only A follow.
 - (b) A and B follow.
 - (c) A, B and D follow.
 - (d) B and D follow.

RRB NTPC 19.04.2016 Shift : 3

Ans. (d) On making the venn diagram as per the statement,



Hence, it is clear from the diagram that conclusion B and D both follow the statement.

Read the statements and select a conclusion from the given alternatives.

108. Statements:

- A. Some red color are black.
- B. All black are white.

Conclusions :

1. Some white are black.
 2. All black are red.
 3. All white are black.
 4. Some white are red.
- (a) Conclusion 1 and 4 follow.
 - (b) Only conclusion 1 follow.
 - (c) Only conclusion 2, 3 follow.
 - (d) Conclusion 1, 3 and 4 follow.

RRB NTPC 18.01.2017 Shift : 3

Ans. (a) Venn-diagram is as follows,



Hence, it is clear from above venn diagram that conclusion 1 and 4 follow the given statements.

Read the statements and select a conclusion from the given alternatives.

109. Statements:

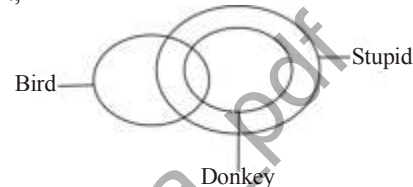
1. Some birds are donkeys
2. All donkeys are stupid.

Conclusions :

1. All birds are stupid.
 2. Some birds are stupid.
- (a) Only 1 is correct.
 - (b) Only 2 is correct.
 - (c) Both 1 and 2 are correct.
 - (d) Neither 1 nor 2 is.

RRB NTPC 28.03.2016 Shift : 1

Ans : (b) On making the venn diagram as per the statement,



Hence, it is clear from above venn diagram that only conclusion 2 is correct.

110. Statement followed by some conclusions are given below.

Statements :

1. Some football players are cricketers
2. All hockey players love football though some are cricketers

Conclusions :

- I. Some hockey players who are cricketers too, play football.
 - II. There is maximum one cricket player who plays football and hockey
- Find which of the given conclusions logically follows from the given statements.**
- (a) Only conclusion I follows
 - (b) Only conclusion II follows
 - (c) Both I and II follow
 - (d) Neither I nor II follows

RRB NTPC 30.03.2016 Shift : 1

Ans. (a) On making the venn diagram as per the statement,



Hence, it is clear from above diagram that only conclusion I follows.

111. Statement followed by some conclusions are given below.

Statements :

1. Some electricians are plumbers
2. All plumbers are mechanics

Conclusions:

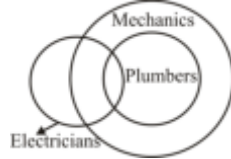
- I. Some mechanics are electricians or plumbers
 - II. Not all electricians are mechanics
- Find which of the given conclusions logically follows from the given statements.**



- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both conclusion I and II follow
- (d) Neither conclusion I nor II follows

RRB NTPC 30.03.2016 Shift : 1

Ans. (a) On making the venn diagram as per the given statement,



It is clear from the above that only conclusion I follows.

112. Below are given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements.

Statements :

1. All boys are monkeys
2. Some plants are monkeys

Conclusions :

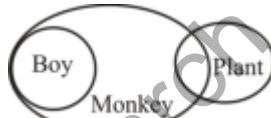
- I. Some monkeys are boys
- II. All plants are boys

Decide which of the below conclusions logically follows from the given statement.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follows
- (d) None of them follow

RRB NTPC 02.04.2016 Shift : 3

Ans. (a) On making the venn diagram as per the statement.



Hence, only conclusion I follows.

113. Below given statements followed by some conclusions. You have to take the given statement to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements.

Statements :

- A. Some fruits are vegetables
- B. All vegetables are plants

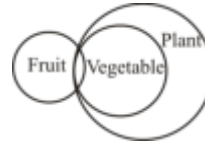
Conclusions:

- I. Some plants are vegetables
- II. Some fruits are plants

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both I and II follow
- (d) None of them follows

RRB NTPC 02.04.2016 Shift : 2

Ans. (c) On making the venn diagram as per the statement,



From the above diagram it is clear that conclusion I and II both follow.

Read the statements and select a conclusion from the given alternatives.

114. Statements :

- A. Some boys are girls.
- B. All girls are singer.

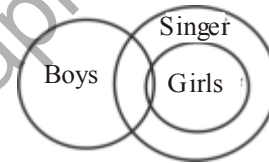
Conclusions :

- I. Some singers are girls.
- II. Some singers are boys.

- (a) Only conclusion I is rational
- (b) Only conclusion II is rational
- (c) Conclusion I and II are rational
- (d) Neither I nor II is rational

RRB NTPC 02.04.2016 Shift : 1

Ans. (c) On making the diagram as per the statement,



Hence, it is clear from the venn above diagram that conclusion I and II both are rational.

Select the option that can be concluded from the statements given below:

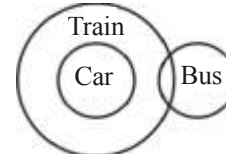
115. Statements:

- I. All cars are trains.
- II. Some trains are buses.

- (a) No buses is trains.
- (b) No buses is cars.
- (c) All trains are cars.
- (d) Some trains are cars.

RRB NTPC 03.04.2016 Shift : 3

Ans. (d) On making the venn diagram as per the statement,



From the above Venn-diagram, it is clear that option (d) is correct.

Select the option that can be concluded from the statements given below:

116. Statements:

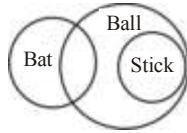
- I. Some bats are balls.
- II. All sticks are balls.

- (a) All sticks are bats.
- (b) Some balls are sticks.
- (c) Some bats are sticks.
- (d) All balls are sticks.

RRB NTPC 04.04.2016 Shift : 3



Ans : (b) On making the venn diagram as per the statement,



Hence, option (b) is correct.

Read the statements and select a conclusion from the given alternatives.

117. Statements :

Some kings are queens.

All queens are beautiful.

Conclusions :

I : All kings are beautiful.

II : All queens are kings.

(a) Only conclusion II follows.

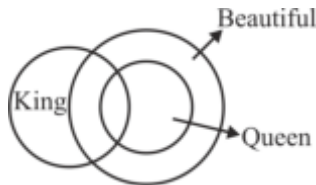
(b) Neither conclusion I nor II follows.

(c) Only conclusion I follows.

(d) Either conclusion I or II follows.

RRB NTPC 17.01.2017 Shift-I

Ans. (b) On making the venn diagram as per the statement,



Hence, It is clear from above diagram that neither conclusion I nor II follows.

Type – 4 : Syllogism Based on Both 'Some' and 'None' statement

118. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts. decide which of the given conclusions logically follow (s) from the statements.

Statements:

Some dogs are donkeys.

No donkey is a horse.

Conclusions:

I. Some dogs are not horse.

II. Some horses are dogs

(a) Only conclusion II follows.

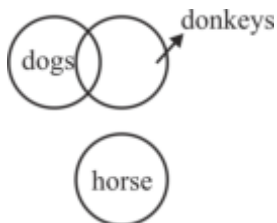
(b) Both conclusions I and II follow.

(c) Either conclusion I or II follows.

(d) Only conclusion I follow.

RRB NTPC (Stage-II) –12/06/2022 Shift-I

Ans. (d) : Venn diagram according to statements is as follows,



Hence, only conclusion I follows.

119. Read the given statement and conclusions carefully. Assuming that the information given in the statements is true even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follows from the statements.

Statements:

Some boys are handsome

No handsome is employed

No graduate is boy

Conclusions:

I. Some handsome are not graduates

II. No employed is a boy

(a) Only conclusion II follows

(b) Neither conclusion I nor conclusion II follows

(c) Both conclusions I and II follow

(d) Only conclusion I follows

RRB NTPC (Stage-II) –16/06/2022 (Shift-I)

Ans. (b) : According to the question, Venn diagram is as follows-



Hence, it is clear from above Venn diagram that neither conclusion I nor II follows.

120. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements:

Statements:

Some professors are doctors.

No doctor is a researcher.

Conclusions:

I. Some professors are not researchers.

II. All professors are researchers.

(a) Only conclusion II follows

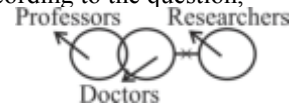
(b) Neither conclusion I nor II follows

(c) Both conclusions I and II follow

(d) Only conclusion I follows

RRB NTPC (Stage-II) –15/06/2022 (Shift-III)

Ans. (d) : According to the question,



Hence, only conclusion I follow.

121. Read the given statement and conclusion carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known fact, decide which of the given conclusions logically follows.

Statements –

No bag is a poem

Some books are bags.

Conclusions:

1. Some books are not poems.

2. Some poems are bags.

(a) Only conclusion 2 follows.

(b) Only conclusion 1 follows

(c) Both conclusions 1 and 2 follow

(d) Neither conclusion 1 nor 2 follows

RRB NTPC 04.03.2021 (Shift-I) Stage Ist



Ans. (b) : According to statement, on making the Venn diagram-



It is clear that only conclusion (1) follows.

122. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

Some girls are boys.

No boys are lazy.

Conclusions:

(I) Some girls are lazy.

(II) Some girls are not lazy.

(a) Either I or II follows

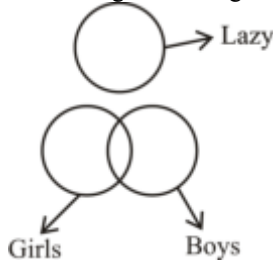
(b) Both I and II follow

(c) Only conclusion I follows

(d) Only conclusion II follows

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (d) : On making Venn diagram, as per statement,



It is clear from above that only conclusion II follows.

123. Read the given statements and conclusions carefully. Considering the information given in the statements to be true, even if it is usually seems to be variance from commonly known facts and find which of these conclusions logically follows the statements.

Statements:

Some bunk are table.

No table is chair

Conclusions:

I. Only some bunk are chair

II. No chair is bunk

III. No bunk is chair.

(a) Only conclusion I follows

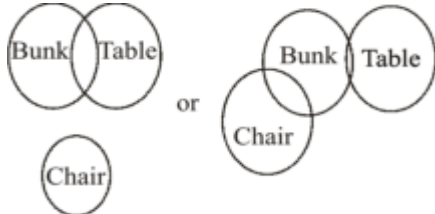
(b) Only conclusion I follows

(c) Neither conclusion follows

(d) Either conclusion II or III follows

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (c) : According to the statement, On making Venn diagram is as follows -



It is clear from above diagram that neither conclusion follows.

124. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known fact, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some P are Q.

No Q is R.

Conclusions:

I. No P is R

II. Some P are not R.

III. Some Q are P.

(a) Both conclusions I and III follow.

(b) Only conclusion I follows.

(c) All conclusions follows.

(d) Both conclusion II and III follow.

RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (d) : According to the statements, On making venn diagram,



∴ It is clear from above figure that both conclusion II and III follow.

125. Select the option that can be concluded from the statements given below:

Statements:

1. No pilots are amateurs.

2. Only a few amateurs are players.

(a) Some pilots are not players

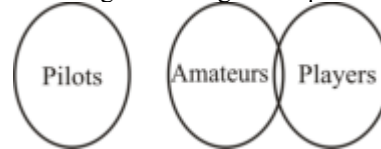
(b) Some amateurs are not players

(c) Some players are pilots

(d) Some pilots are players

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (b) : On making Venn diagram as per statements,



Hence option (b) is correct.

126. Statements : A. No a teacher can sing.

B. Some teachers can dance.

Conclusions : I. All teachers can dance.

II. No teacher can sing.

(a) Only conclusion I is rational

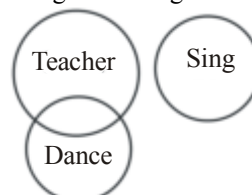
(b) Only conclusion II is rational

(c) Both I and II are rational

(d) No Conclusion is rational

RRB NTPC 29.03.2016 Shift : 2

Ans. (b) : On making Venn diagram as per statement,



From the above diagram only conclusion II is rational.

**Type – 5 : Syllogism Based on Both 'All' and 'None'**

127. Read the statement and conclusion carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion logically follow(s) from the statements :

Statements :

All trees are forest

No forest is large

Conclusions :

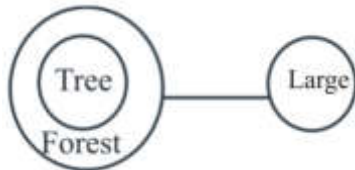
I. No tree is large

II. All trees are large

- (a) Either conclusion I or II follows
(b) Only conclusion I follows
(c) Neither conclusion I nor II follows
(d) Only conclusion II follows

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (b) : The Venn diagram relation according to the statements is as follows –



It is clear from the above Venn diagram that only conclusion I follows the statement.

128. Read the statement and conclusion carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion logically follow(s) from the statements :

Statements :

No dog is cat.

All cats are lion.

Conclusions :

I. No dog is lion.

II. No lion is dog.

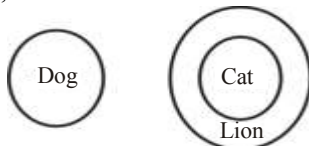
III. Some lions are not dog.

IV. Some lions are cats.

- (a) Only I and II follow.
(b) Only I, II and III follow.
(c) Either conclusion I or III and conclusion II follow
(d) Only IV follow.

RRB NTPC 26.04.2016 Shift : 3

Ans. (d) On making the venn diagram as per the statement,



∴ Only conclusion (IV) logically follows the statement.

129. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

All animals are rats.

No rat is brown.

Conclusions :

1. Some animals are brown.

2. Those animals that are not rats are brown.

- (a) Only conclusion 1 follows
(b) Only conclusion 2 follows
(c) Neither conclusion 1 nor 2 follows
(d) Both conclusions 1 and 2 follow

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (c) : According to the statement,



Hence neither conclusion 1 nor conclusion 2 follows the statement.

130. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements :

All men are curtains

No curtains are sophisticated

Conclusions :

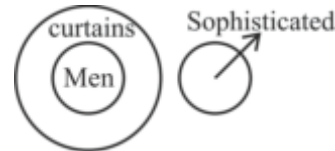
I. All curtains are sophisticated

II. No men are sophisticated

- (a) Only conclusion I follows
(b) Either I or II follows
(c) Both I and II follow
(d) Only conclusion II follows

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (d) : On making Venn diagram according to the statement–



Hence it is clear from the above that only conclusion II follows.

131. You are given two statements:

1. All balloons are robins

2. No robin is a glass

Which of the following conclusions is/are true?

A. All robins are balloons

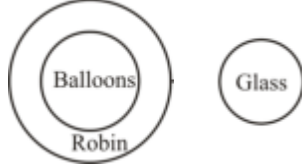
B. No balloon is a glass

- (a) Only B (b) Either A or B
(c) Both A and B (d) Only A

RRB NTPC 16.02.2021 (Shift-II) Stage Ist



Ans. (a) : On making Venn diagram, as per statements,



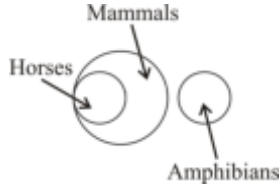
It is clear from above diagram that only conclusion B will be the right answer.

132. The conclusion that follows from the premises 'All horses are mammals' and 'No mammals are amphibians' is:

- Some horses are amphibians
- No amphibians are horses
- Every amphibian is a horse
- All horses are amphibians

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (b) : According to question, Venn diagram is as follows -



It is clear from the Venn diagram that the conclusion "No amphibians are horses" follows the above statements. Hence option (b) is correct.

133. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

All kites are birds.

No bird is a bats.

Conclusions:

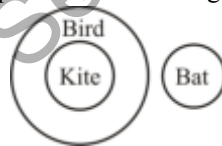
I. No kites is a bats.

II. Some kites are bats.

- Neither conclusion I nor II follows
- Both conclusion I and II follow
- Only conclusion I follows.
- Only conclusion II follows.

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (c) : From question, On making venn diagram,



It is clear from Venn diagram that 'no kite is a bats' follows the given statement.
So, only conclusion I follows.

134. Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All D are A.

No A is C.

Conclusions:

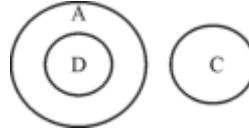
I. No D is C

II. Some C are D

- Neither conclusion I nor II follows.
- Both conclusion I and II follow.
- Only conclusion I follow.
- Only conclusion II follow.

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (c) : The Venn diagram relation is as follows,



It is clear from the above Venn diagram that only conclusion I logically follows from the statements.

135. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All dogs are mammals.

No animals are dogs.

Conclusions:

(i) No animals are mammals.

(ii) Some animals are not mammals.

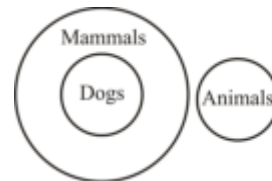
(iii) No dogs are animals.

(iv) All mammals are dogs

- Only conclusions (iii) and (iv) follow
- Only conclusions (i) and (ii) follow
- Only conclusions (iii) follows
- Only conclusions (i) follows

RRB NTPC 03.02.2021 (Shift-I) Stage Ist

Ans. (c) : As per question, the Venn diagram will be as follows -



From the above, it is clear that only conclusion (iii) follows the statement logically.

136. Read the given statements (s) and conclusions carefully and decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

All dogs are pets.

No pets is a tiger.

Conclusions:

I. All pets are dogs.

II. No dog is a tiger.

- Only conclusion I follows
- Only conclusion II follows
- Neither conclusion I nor II follows
- Both conclusion I and II follow

RRB NTPC 03.04.2021 (Shift-I) Stage Ist



Ans. (b) : According to the statement, Venn diagram relation is as follows.



Hence, option (b) is correct.

137. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements :

No dog is a cat

All cats are rats

Conclusions :

I. Some rats are dogs

II. Some dogs are not rats

III. No rat is a dog

(a) Only conclusions III follows

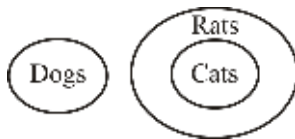
(b) Only Conclusions I follows

(c) Only conclusions II follows

(d) None of the conclusions follows

RRB NTPC 30.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question, on making Venn diagram-



Hence, it is clear from Venn diagram that none of the conclusions follows.

138. Read the given statements and conclusions carefully. Considering the information given in the statements to be true, even if it seems to be at variance from commonly known facts, and state which of the given conclusions logically follows from the given statements.

Statements :

All members are candidates

No student is candidate

Conclusions :

1. No member is student

2. Some students are member

(a) Neither conclusion 1 nor 2 follows.

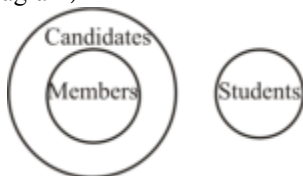
(b) Only conclusion 1 follows

(c) Both conclusion 1 and 2 follow.

(d) Only conclusion 2 follows

RRB NTPC 31.07.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question, on making the Venn diagram,



Hence, it is clear from the Venn diagram that only conclusion 1 follows.

139. Select the option that can be concluded from the statements given below:

Statements :

1. All dogs are animal.

2. All animals are mammal.

3. No mammal is in the zoo.

(a) Some dogs are in the zoo.

(b) Some animals are in the zoo.

(c) Some mammals are in the zoo.

(d) No dog is in the zoo.

RRB NTPC 05.04.2016 Shift : 2

Ans. (d) According to the question



It is clear from the Venn-diagram that conclusion "no dog is in zoo" is correct.

140. Select the option that can be concluded from the statements given below:

Statements :

1. All dogs are cats.

2. No cat is rat

Conclusions :

I. All rats are dogs.

II. Some dogs are rats.

(a) Both conclusion I and II are true

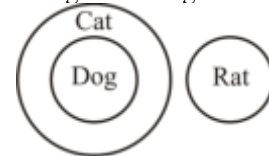
(b) Only conclusion I is true

(c) Neither conclusion I nor II is true

(d) Only conclusion II is true

RRB NTPC 18.01.2017 Shift : 2

Ans. (c) : On making Venn diagram as per statement,



From the above Venn-diagram it is clear that neither I nor II is true.

141. Statements : No window is monkey

All monkeys are cats.

Conclusions : 1. No window is cat.

2. No cat is window

3. Some cats are monkeys

4. All cats are monkey.

(a) Only (2) and (4) follow.

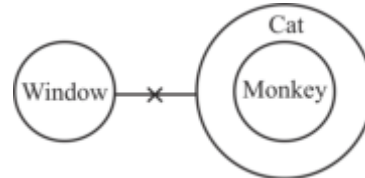
(b) Only (1) and (3) follow.

(c) Only (3) and (4) follow.

(d) Only (3) follows.

RRB NTPC 11.04.2016 Shift : 1

Ans. (d) On making the Venn diagram as per the statement,



Hence, from the given statement only conclusion 3 can be follows.



142. Select the option that can be concluded from the statements given below:

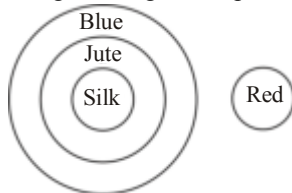
Statements : All silk are jute.
All jute are blue.
No blue is red.

Conclusions : I. All blue are silk
II. Some jute are silk

- (a) Only conclusion I is true
(b) Only conclusion II is true
(c) Either conclusion I or II is true
(d) Neither conclusion I nor II is true

RRB NTPC 07.04.2016 Shift : 1

Ans. (b) On making the diagram as per the statement,



Hence, it is clear from the diagram that only conclusion II is true.

143. Statements :

All bottles are pencil.
No pencil is school

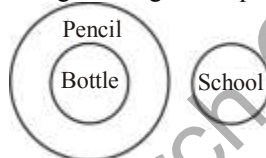
Conclusions :

I. No bottle is school.
II. No school is bottle.
III. Some pencils are school.

- (a) Only I follows
(b) Only I, II and III follows
(c) Only either I or III and II follows
(d) Only I and II follows

RRB NTPC 07.04.2016 Shift : 3

Ans. : (d) On making the diagram as per the statement,



Hence, Only conclusion I and II follow.

144. Select the option that can be concluded from the statements given below:

Statements :

All chairs are windows. No window is door.

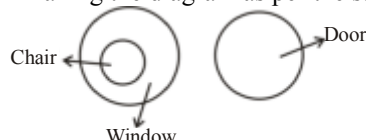
Conclusions :

I. Some chairs are door.
II. No door is window

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Neither conclusion I nor II follows
(d) Both conclusion I and II follows

RRB NTPC 28.04.2016 Shift : 1

Ans. (b) On making the diagram as per the statement,



Hence, only conclusion II follows

145. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follows from the statements.

Statements:

1. All glasses are plates
2. No plate is a spoon

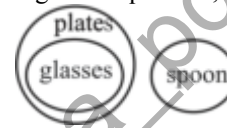
Conclusions:

I. Some glasses are spoons
II. No spoon is a glass

- (a) Only conclusion II follows
(b) Neither conclusion I nor II follows
(c) Only conclusion I follows
(d) Either conclusion I or II follows

RRB NTPC (Stage-II) -17/06/2022 (Shift-III)

Ans. (a) : According to the question,



Hence, Only conclusion II follows.

Type – 6 : Miscellaneous

146. Read the given statements and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pencils are pen.
No pen is a sharpener.
All sharpeners are staplers.

Conclusions:

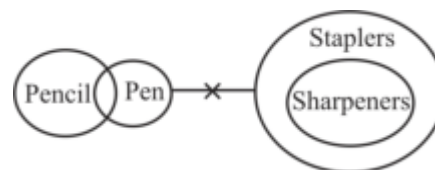
(I) At least some staplers are pens.

(II) All pencils are pens.

- (a) Both conclusions (I) and (II) follow
(b) Neither conclusion (I) nor (II) follows
(c) Only conclusion (I) follows
(d) Only conclusion (II) follows

RRB NTPC (Stage-II) -13/06/2022 (Shift-I)

Ans. (b) : On making Venn diagram is as follows-Figure-I



Or

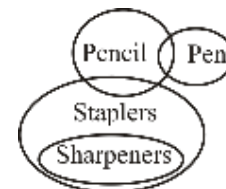


Figure-II

Hence it is clear from Venn diagram that neither conclusion (I) nor (II) follows.



147. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion logically follow(s) from the statements.

Statement:

Some bat are balls

All balls are caps

All caps are player

No player is a hat.

Conclusion:

(I) No bat is a cap

(II) All caps are balls

(III) Some hats are caps

(IV) No hat is a ball

(a) Both conclusion I and III follow

(b) Only conclusion I follows

(c) Only conclusion IV follows

(d) Only conclusion II follows

RRB NTPC (Stage-II) –15/06/2022 (Shift-I)

Ans. (c) : On making Venn diagram, according to the statement,



Conclusions:

(I) ×

(II) ×

(III) ×

(IV) ✓

∴ Only conclusion IV follows.

Hence, option (c) is correct.

148. Read the given statements and conclusion carefully. Assuming that the information given in the statements is true even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.

Statements:

Some mobiles are laptops.

No laptop is a computer.

All phones are computers.

Conclusions:

I. At least some mobiles are computers.

II. At least some phones are laptops.

(a) Neither conclusion I nor II follows.

(b) Either conclusion I or II follows.

(c) Both conclusion I and II follow.

(d) Only conclusion I follows.

RRB NTPC (Stage-II) –12/06/2022 (Shift-II)

Ans. (a) : According to the statement, Venn diagram is as follows-



It is clear from above diagram that neither conclusion I nor II follows.

149. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All monkeys are donkeys. Some donkeys are horses. No horse is a monkey.

Conclusions:

1. Some horses are monkeys

2. Some donkeys are not monkeys

(a) Both 1 and 2 follow

(b) Only conclusion 2 follows

(c) Neither 1 nor 2 follows

(d) Only conclusion 1 follows

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question,



It is clear by above diagram that only conclusion 2 follows.

150. Select the option that can be concluded from the statements given below:

Statement 1 : Every fruit is a bug.

Statement 2 : Some fruits are shoes.

Statement 3 : Some shoes are bugs.

Statement 4 : Not all the shoes that are bugs are fruit.

(a) Not every fruit that is a shoe is a bug

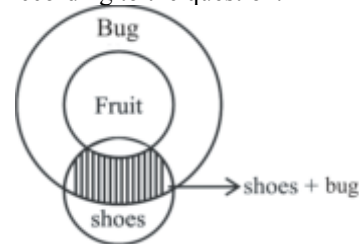
(b) Some of the shoes that are bugs are fruits

(c) Some bugs are shoes

(d) Not all bugs are fruits.

RRB NTPC 23.02.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question.



Option (a) conclusion does not follow the given statement.

151. Read the given statements and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. No woman is a cow

II. Elif is a woman

Conclusions:

I. Elif is not a cow

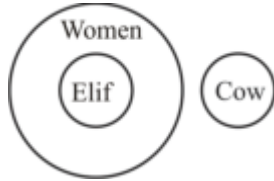
II. Elif may or may not be a cow



- (a) Only conclusion (I) follows
 (b) Either conclusion (I) or (II) follows
 (c) Both conclusions (I) and (II) follow
 (d) Neither conclusions (I) nor (II) follows

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (a) On making the Venn diagram as per given statements,



It is clear from Venn diagram that only conclusion I follows.

152. You are given the following three statements:

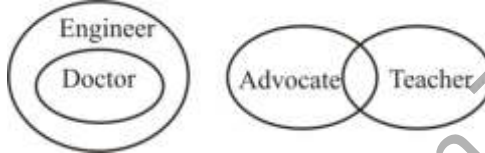
- (1) All doctors are engineers
 (2) No engineer is an advocate
 (3) Some advocates are teachers

Which of the following conclusions is/are correct?

- (A) Some engineers are advocates
 (B) No advocate is a doctor
 (C) Some teachers are advocates
 (a) B and C (b) A, B and C
 (c) A and C (d) Only C

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the statements,



It is clear from above figure that only conclusion B and C are correct.

153. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No door is window

No window is table

Conclusions :

I. Some tables are not doors

II. No door is a table

- (a) None of the conclusions follows
 (b) Only conclusion II follows
 (c) Both conclusions I and II follow
 (d) Only conclusion I follows

RRB NTPC 06.04.2021 (Shift-I) Stage Ist

Ans. (a) : According to the statement,



None of the conclusion follows the above statements.

154. Read the following statements and conclusions carefully. Assuming that the information given in the statements is true, even if they seem to be at variance with commonly known facts and decide which of the given conclusions logically follow(s) from the given statements?

Statements:

All blue are black

Some black are Crow

No Crow is brown

Conclusions :

1. No blue is Crow
 2. All Crows are black
 3. No brown is a Crow
 (a) Conclusion 1 and 2 both follow
 (b) Conclusion 2 and 3 both follow
 (c) Only conclusion 3 follows
 (d) Only conclusion 1 follows

RRB NTPC 06.04.2021 (Shift-II) Stage Ist

Ans. (c) : On making Venn diagram as per statements,



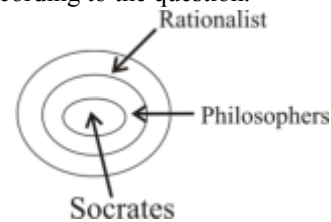
Hence it is clear from the above Venn diagram that only conclusion (3) follows.

155. If all philosophers are rationalists and Socrates is a philosopher, then which of the given conclusions follows?

- (a) Socrates is not a rationalist
 (b) No philosophers are rationalists.
 (c) Socrates is a rationalist
 (d) All rationalists are philosophers.

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question.



It is clear from above venn diagram that Socrates is a rationalist.

156. Read the following set of statements, A, B, C, D, and select the set/s in which the third statement is a logical conclusion of the first two.

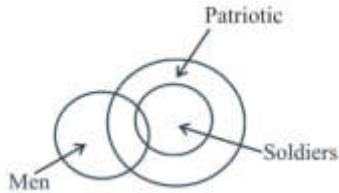
- (A) Rahul is an actor. Some actors are smart. Rahul is smart.
 (B) Some men are soldiers. All soldiers are patriotic. Some men are patriotic.
 (C) All cricketers are athletes. Some men are soldiers. Some men are patriotic.
 (D) All actors are handsome. Aman is not an actor. Aman is not handsome

- (a) Only D (b) Only A, B and D
 (c) Only D and B (d) Only B

RRB NTPC 08.01.2021 (Shift-I) Stage Ist



Ans. (d) : On making Venn diagram as per statement (B),



From the above it is clear that in statement (B) the third statement is a logical conclusion of first two statements.

157. Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follows from the given statements.

Statements:

Some fridges are machines.

Some mixers are machines.

No mixer is fridge.

All fans are mixers.

Conclusions:

I. Some fans are fridges.

II. Some machines are not mixers.

III. No fan is fridge.

(a) Either conclusion I or III conclusion follows.

(b) Only conclusion I follows.

(c) Only conclusion II and III follow.

(d) Only conclusion III follows.

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (c) : According to the statements-



It is clear from the above Venn diagram that only conclusion II and III logically follow from the statement.

158. Read the given statements and conclusions carefully and decide which of the conclusions logically follow (s) from the statements.

Statements :

All pendent is jewellery.

No jewellery is silver.

Some silver is coin.

Conclusions :

1. Some silver are jewellery

2. Some coin is pendent

3. Some jewellery are pendent

(a) Conclusion 3 follows

(b) Conclusion 1 follows

(c) Conclusion 2 follows

(d) None of the conclusions follows

RRB NTPC 10.02.2021 (Shift-I) Stage Ist

Ans. (a) : Venn diagram relation according to statement is as follows -



It is clear from the above Venn diagram that only conclusion (3) logically follows the statements.

159. Read the given statements and conclusion carefully. Consider the given information in the statements to be true even if it seems to be at variance from commonly known facts and state which of the following conclusions logically follows from the statements ?

Statements:

1. All buildings are rooms

2. No room is tower

3. Some towers are pillars

Conclusions:

I. No building is a tower

II. No pillar is room

III. No pillar is building

(a) All conclusions I, II and III follow

(b) Only conclusion I and II follow

(c) Only conclusion I follows

(d) Only conclusions I and III follow

RRB NTPC 11.03.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question, Venn diagram relation is as follows.-



It is clear from above Venn diagram that only conclusion I follows.

160. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements :

1. Surge is a health drink.

2. No health drink is protein.

3. Some proteins are medicines.

Conclusions :

I. Some proteins are health drinks.

II. Some medicines are Surge.

III. Some health drinks are Surge.

(a) Only conclusion III follow.

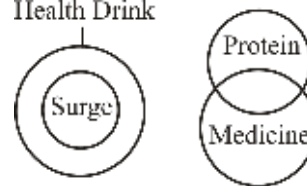
(b) All conclusion I, II and III follows.

(c) Only conclusion II follows.

(d) Only conclusion I follows.

RRB NTPC 21.03.2021 (Shift-II) Stage Ist

Ans. (a) : On making Venn diagram as per statements,



∴ Only conclusion III follows

161. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

All flowers are blue.

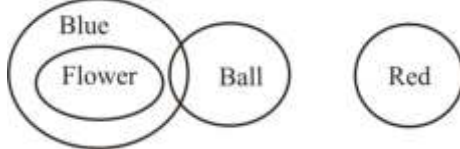
Some blue are balls.

No ball is red.

**Conclusions:**

- I. No flower is red.**
II. All flowers are balls.
III. Few balls are blue.
 (a) Only III follows.
 (b) Only I and II follow.
 (c) Only II and III follow
 (d) I, II and III follow.

RRB NTPC 21.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the statements,

So, it is clear from above venn diagram that only III follows.

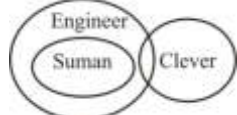
162. Statements:

Some engineer are very clever. Suman is studying in second year of engineering.

Conclusions :

- I. Suman is very clever.**
II. Suman is future is brighter
 (a) Only conclusion I follows
 (b) Only conclusion II follows
 (c) Either conclusion I or II follows
 (d) Neither conclusion I nor II follows

RRB NTPC 30.04.2016 Shift : 3

Ans. (d) On making the diagram as per the statement.

Hence, Suman can be clever or cannot be and statement is not said about future therefore neither conclusion I nor II follows.

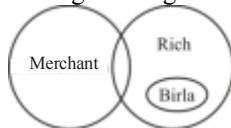
163. Statements:

- A. Some merchants are rich**
B. Birla is rich

Conclusions :

- I. Birla is a merchant**
II. Birla has a big farm
 (a) Only conclusion II follows
 (b) Only conclusion I follows
 (c) Neither I nor II follows
 (d) Both I and II follow

RRB NTPC 26.04.2016 Shift : 2

Ans. (c) On making the diagram as per the statement,

From the above venn diagram, it is clear that neither conclusion I nor II follows.

164. Select the option that can be concluded from the statements given below:**Statements :**

- A. All stairs are elevators.**
B. No elevator is escalator.
C. Some escalators are helicopter.
D. Some elevators are aircrafts.

Conclusions :

- I. No stair is escalator.**
II. Some helicopters are not escalator.
III. Some stairs are aircrafts
IV. Some elevators are aircraft.
 (a) Only I and IV follow
 (b) Only I and II or IV follow
 (c) Either II or IV follows
 (d) Only I, II or IV follow

RRB NTPC 22.04.2016 Shift : 3

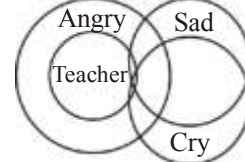
Ans. (a) On making the venn diagram as per the statement,

Hence, only conclusion I and IV logically follow the statements.

165. Select the option that can be concluded from the statements given below:**Statements :**

- 1. All teachers get angry**
2. Some teachers are sad
3. Sad peoples may cry
 (a) All sad people cry
 (b) Some teachers may cry
 (c) All peoples getting angry are teachers
 (d) All sad peoples get angry

RRB NTPC 06.04.2016 Shift : 2

Ans. (b) On making the venn diagram as per the statement,

Hence, option (b) is correct.

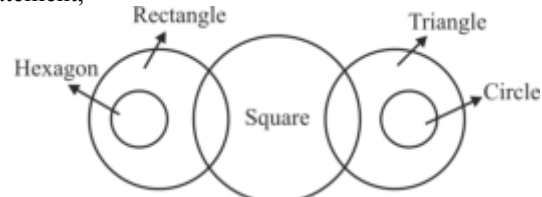
166. Select the option that can be concluded from the statements given below:**Statements:**

Some square are triangle while some are rectangle. Each circle is a triangle and each hexagon is a rectangle.

Which of the following option is correct according to the given statements.

- (a) At least one circle is square.
 (b) All rectangles are hexagon.
 (c) At least one hexagon is square.
 (d) At least one rectangle is square.

RRB NTPC 22.04.2016 Shift : 1

Ans. (d) On making the venn diagram as per the statement,

In the given option only option (d) "at least one rectangle is square" is correct.



13. Statement and Conclusion

Type-1 : General Statement and Conclusion

1. Read the given statement and conclusions carefully and decide which of the conclusions logically follow(s) from the statement.

Statement:

Company **ABC** has the highest number of customers as compared to its competitors.

Conclusions:

- Company ABC has 58% of the total customers.
 - Company ABC's products are the cheapest in the market.
- (a) Only conclusion 1 follows.
(b) Only conclusion 2 follows.
(c) Both conclusions 1 and 2 follow.
(d) Neither conclusion 1 nor 2 follows.

RRB NTPC 21.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the above statement, there is no mention of percentage of customers in the statement and company ABC has the highest number of customers but that does not imply that its products are the cheapest. Hence, conclusion 1 nor 2 follows.

2. Two statements are given followed by two conclusions. Considering the two statements to be true irrespective of the commonly known facts, decide which of the two conclusions follow logically from these two statements.

Statements:

- All hill stations have an echo-point.
- P is a hill station.

Conclusions:

- P has an echo-point.
 - Places other than hill stations do not have echo-points.
- (a) Only conclusion 2 follows.
(b) Both conclusion 1 and conclusion 2 follow.
(c) Neither conclusion 1 nor conclusion 2 follows.
(d) Only conclusion 1 follows.

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (d) : It is clear from the statement that all hill stations have an echo-point. If P is a hill station then there must be a echo-point. Hence, conclusion 1 logically follows from the statement whereas there is not mention about other places in the statement. Hence, conclusion 2 does not follow.

3. Choose the conclusion(s) which logically follows from the given statements.

Statements:

- MS Dhoni is a popular cricketer.
- All cricketers are fit and healthy.
- MS Dhoni earns a good money every year through advertisements of various products.

Conclusions:

- All popular cricketers earn a good money through advertisement.
 - MS Dhoni is fit and healthy.
 - MS Dhoni, being famous, only advertises famous products.
- (a) Only conclusion C follows
(b) Conclusion A and C follow
(c) Conclusion A and B follow
(d) Only conclusion B follows

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (d) : It is clear from the statement that all cricketers are fit and healthy. So, being cricketer MS Dhoni is also fit and healthy. Therefore, only conclusion B logically follows the statement.

4. Select the conclusion, from among the following options, which logically follows from the given statement.

Statement:

One must work hard to be successful in life.

- (a) A hardworking person is satisfied in life.
(b) Without hard work one cannot be successful in life.
(c) Only those who work hard will be able to pass.
(d) Life is related with hard work.

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (b) : Only conclusion (b) of the given statement 'One must work hard to be successful in life' without hard work one cannot be successful in life follows.

5. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statement:

- Some of the languages taught in this school are English, Portuguese, Tamil and Sanskrit
- Neither Arabic nor French is taught in this school
- All languages are taught by well qualified teachers in this school

Conclusions :

- Some other languages are also taught in this school apart from English, Portuguese, Sanskrit and Tamil
 - Tamil is taught by a well-qualified teacher in this school
 - Either Arabic or French is taught in this school
- (a) Only conclusions (i) and (iii) follows
(b) Only conclusions (i) and (ii) follows
(c) Only conclusions (iii) follows
(d) Only conclusions (i) follows

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (b) : Some of the languages taught in this school are English, Portuguese, Tamil and Sanskrit. All languages are taught by well qualified teachers in this school. According to the statement only conclusion (i) and (ii) follows.



6. Read the given statement and conclusions carefully and decide which of the conclusions logically follow(s) from the statement.

Statement:

Absence makes the heart grow fonder.

Conclusions :

- L. The missing of a thing or a person increases the longing for it
M. A healthy distance should be maintained to keep the relationship strong
(a) Either conclusion L or M follows
(b) Only conclusion L follows
(c) Both the conclusion follow
(d) Only conclusion M follows

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (b) : Absence increases love in the heart because the absence of an object or person further increases the craving for it. So, only conclusion L follows.

7. Read the given statement and conclusions carefully and decide which of the conclusions logically follow(s) from the statement.

Statement:

Computer is one of the greatest innovations of mankind.

Conclusions:

1. No other innovation is better than computer
2. Computers have benefited mankind
(a) Only conclusion 1 follows
(b) Both the conclusions follow
(c) Either conclusion 1 or 2 follows
(d) Only conclusion 2 follows

RRB NTPC 11.02.2021 (Shift-I) Stage Ist

Ans. (d) : Computer is one of the greatest innovations of mankind because Computer has benefited mankind. Hence, only conclusion 2 follows.

8. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

- i. I have not yet read all the seven Harry Potter books
ii. I have read all the Jane Austen books
iii. I don't like reading self-help books even though I have read a few of them just to try something new

Conclusions:

- i. Though book reading is my hobby, I am very selective about the books I read
ii. I have read some of the Harry Potter books
iii. I like to experiment while selecting my next book to read
(a) Only conclusion (iii) follows
(b) Only conclusion (i) and (iii) follows
(c) Only conclusion (ii) and (iii) follows
(d) Only conclusion (i) follows

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Ans. (c) : Only conclusion (ii) and (iii) follows from the statements.

9. Read the given statement and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follows.

Statement :

The teacher scolded Amit in the presence of the whole class.

Conclusions.

I. The teacher dislikes Amit

II. The class did not like Amit

- (a) Either conclusion I or II follows
(b) Neither conclusion I nor II follows
(c) Only conclusion II follows
(d) Only Conclusion I follows

RRB NTPC 04.03.2021 (Shift-I) Stage Ist

Ans. (b) : It is clear from statement that neither conclusion (I) nor (II) follows.

10. Read the given statement and conclusions carefully. Assuming that the information given in the statements to be true even if they appears to be at variance with commonly known facts. Decide which of the given conclusions logically follows (s) from the given statements.

Statements:

Every hospital has patients.

Conclusions:

1. Patients are available only in hospitals.
2. Hospitals do not have patients.
(a) Only conclusion I follow.
(b) Either conclusion I or II follows
(c) Neither conclusion I nor II follows.
(d) Only conclusion II follows

RRB NTPC 04.03.2021 (Shift-I) Stage Ist

Ans. (c) : It is clear from statement that neither conclusion (I) nor (II) follows.

11. Read the given statement and conclusions carefully and decide which of the conclusions logically follow(s) from the statement.

Statements:

The rapid growth in the consumption of petrol and diesel may lead to scarcity of fuel in near future

Conclusions:

1. There will be only electric vehicles in the future
2. Other fuel options have to be created to tackle the problem of fuel scarcity
(a) Both 1 and 2 follow
(b) Only 2 follows
(c) Neither 1 nor 2 follows
(d) Only 1 follows

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (b) : Only conclusion 2 follows from the above statement.



- 12.** Read the given statements and conclusions carefully and decide which of the given conclusions logically follows from the given statement?

Statement:

People of Kerala cook many dishes in coconut oil

Conclusions :

1. Coconut oil is the main cooking oil of the country
 2. Kerala is a big consumer of coconut oil
- (a) Only conclusion 2 follows
 - (b) Both conclusions 1 and 2 follows
 - (c) Only conclusion 1 follows
 - (d) Either conclusion 1 or conclusion II follows

RRB NTPC 06.04.2021 (Shift-II) Stage Ist

Ans. (a) : Kerala is a major consumer state of coconut oil. Kerala, Tamil Nadu and Karnataka account for about 85% of the total coconut production in the country. Hence, it is clear from the statement that only conclusion (2) follows.

- 13.** A statement is given followed by two inferences. Decide which of the inferences can be drawn from the given statement

Statement:

Some students who do not perform well in the written exam still rank high in the merit list for admission to College A.

Inferences:

1. Candidates who perform well in the written exam never make it to the merit list for admission to College A.
 2. Criteria other than written examination are also considered for admission to College A
- (a) Only 1 can be inferred
 - (b) Only 2 can be inferred
 - (c) Both 1 and 2 can be inferred
 - (d) Neither 1 nor 2 can be inferred

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (b) : By the given statement inference may be drawn as criteria other than written examination are also considered for admission to College A because the statement states that some students who do not perform well in the written exam still rank high in the merit list for admission to College A. Hence, only (2) can be inferred.

- 14.** Read the given statement carefully and select from among the given options, the conclusion that logically follows from the statement.

Statement :

Ability is a poor man's wealth.

- (a) A poor man can earn wealth if he has ability.
- (b) A poor man does not have the ability to earn wealth.
- (c) A wealthy man is always able.
- (d) A poor man is always able.

RRB NTPC 12.01.2021 (Shift-II) Stage Ist

Ans. (a) : The conclusion of the given statement is that a poor person can earn money only if he has the ability. Hence, the conclusion of option (a) logically follows the given statement.

- 15.** Read the given statements and conclusions carefully and decide which of the conclusions logically follows(s) from the statements.

Statements:

- (i) Some of the dance forms taught in all the dance classes of Delhi are Hip-Hop, contemporary and Kathakali.
- (ii) None of the dance classes of Delhi teach Kuchipudi.
- (iii) Some of the dance classes of Delhi teach Salsa and Odissi.

Conclusions :

- (i) Salsa is taught in every dance class of Delhi.
 - (ii) Some of the dance classes of Delhi do not teach Kathkali
 - (iii) There isn't single dance class in Delhi that doesn't teach Hip-Hop.
- (a) Only conclusions (iii) follow
 - (b) Both conclusions (i) and (ii) follow
 - (c) Only conclusion (i) follows
 - (d) Both conclusions (i) and (ii) follow

RRB NTPC 23.02.2021 (Shift-I) Stage Ist

Ans. (a) : Only conclusion (iii) follows from the given statement. Hence, option (a) will be correct.

- 16.** Read the given statement and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known fact, decide which of the conclusions logically follow(s) from the statement.

Statement:

Villagers have a cooperative attitude towards any stranger.

Conclusions:

- I. Urban people have an uncooperative attitude towards strangers.
 - II. Urbanization destroys our moral values.
- (a) Only I follow
 - (b) Neither I nor II follows
 - (c) Either I or II follows
 - (d) Only II follows

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (b) : The attitude of the villagers towards any unfamiliar person is cooperative. This statement does not conclude that the attitude of urban people towards unfamiliar people is uncooperative and urbanization destroys our moral values. Hence, neither conclusion I nor II follows.

- 17.** Read the given statement and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow (s) from the statements.



Statement:

Doing exercises in the morning is good for health.

Conclusions :

I. Health can be maintained by doing exercises only.

II. Without doing exercises, people will become ill.

- (a) None of the conclusions follow the statement.
- (b) Conclusion II follows the statement
- (c) Both conclusions follow the statement
- (d) Conclusion I follows the statement

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (a) : According to the statement, none of the conclusions follow.

18. Read the given statement and conclusions carefully and select the conclusion(s) that logically follows(s) from the statements.

Statement:

Indian Education is lacking quality due to low funds. India is allocating additional funds to education sector.

Conclusions:

I. There would be improvement in quality of education in India.

II. Only funds can improve the education standards.

- (a) Only conclusion I follows
- (b) Either I or II follows
- (c) Only conclusion II follows
- (d) Neither I nor II follows

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (a) : Indian Education lacks quality due to low funds. India is allocating additional funds to the education sector which will improve the quality of education in India. Hence, conclusion (I) logically follows from the given statement.

19. Read the given statements and conclusions carefully and decide which conclusion (s) is/ are implicit from the statement.

Statement:

Human beings and Apes have some common characteristics.

Conclusions:

1. Apes are smarter than human beings.

2. Human beings are smarter than Apes.

- (a) Only conclusion 1 is implicit
- (b) Neither conclusion 1 nor conclusion 2 is implicit
- (c) Only conclusion 2 is implicit
- (d) Both conclusion are implicit

RRB NTPC 29.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the given statement it is clear that neither conclusion 1 nor conclusion 2 is implicit.

20. Read the given statement and conclusions carefully and decide which of the conclusion logically follows from the statement.

Statement:

1. In the modern era, lack of water availability is a major problem especially in summer times.

Conclusions:

1. Shortage of water is the major cause for many animals deaths in summer.

2. There is no shortage of water in winters.

- (a) Only conclusion 1 follows
- (b) both the conclusion follow
- (c) Only conclusion 2 follows
- (d) Neither conclusion 1 nor conclusion 2 follows

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the statement neither conclusion 1 nor conclusion 2 logically follows from the statement.

21. Read the given statements and conclusions carefully and decide which of the conclusions logically follow from the statement.

Statement:

In these times water pollution is a major cause of diseases.

Conclusions:

1. Water borne diseases are very deadly.

2. Generally water shortage is reported in pre-monsoon time.

- (a) Only conclusion 1 follows
- (b) Only conclusion 2 follows
- (c) Both the conclusions follows
- (d) Neither conclusion 1 nor conclusion 2 follows

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (d) : Conclusions -

1. Water borne disease are very deadly - This does not follow because as such information is not provided in the statement. This statement only states about water pollution.

2. Generally water shortage is reported in pre-monsoon time- This conclusion also does not follow because no such information is provided in the statement.

Thus, neither conclusion 1 nor conclusion 2 follows.

Hence, option (d) is the correct answer.

22. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements :

Nurses marry only tall men

Ankit is very tall.

Conclusions :

I. Ankit was married to a nurse

II. Ankit was not married to a nurse.

- (a) Either I or II follows.
- (b) Only conclusion I follows
- (c) Both, I and II follow
- (d) Only conclusion II follows

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (a) : Either conclusion I or conclusion II follows because in conclusion I. Ankit was married to a nurse it is given in the statement that Ankit is very tall and nurses marry only tall men. Hence it is true, but in conclusion II a negative fact is given. Thus either conclusion I or II will be true.



- 23.** Read the given statement and conclusions carefully and decide which of the conclusions logically follows from the statements

Statement:

Internet usage is increasing day by day.

Conclusions:

I. It is becoming easier to access the internet.

II. Internet facilities have no impact on internet usage.

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Neither conclusion I nor II follows
- (d) Both conclusions I and II follow

RRB NTPC 13.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the statement, it is clear that only conclusion I follows.

- 24.** Read the given statement and decisions carefully and decide which of the two decision logically follow(s) from the statement.

Statement:

Students are confused regarding the choice of appropriate course/stream for higher education.

Decisions:

I. Consider their interests, aptitudes and competencies while deciding on their choice.

II. Seek guidance from an education and career counsellor.

- (a) Only decision I follows.
- (b) Only decision II follows.
- (c) Both decisions I and II follow
- (d) None of the given decisions follow

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (c) : According to the statement, both decision I and II follow the statements.

- 25.** A statement is given by an immediate conclusion. Choose the correct option regarding the conclusion.

Statement: All farmers are very hard working.

Conclusion: Some very hardworking persons are farmers.

- (a) True
- (b) Information irrelevant
- (c) Probably false but not sure
- (d) False

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (a) : According to the given question, the statement says that all farmers are very hardworking that means some or few hardworking persons are farmers because all farmers are hardworking. So we can say that the conclusion, 'some very hardworking persons are farmers', is true.

Hence, option (a) is the correct answer.

- 26.** Choose the conclusion (s) which logically follow from the given statement, disregarding commonly known facts.

Statement : No country is free from terrorism these days.

Conclusion A : It has become impossible for countries to control terrorism these days.

Conclusion B : The countries and their people in general have become lazy.

- (a) Only conclusion A follows
- (b) Only conclusion B follows
- (c) Neither conclusion A nor Conclusion B follows
- (d) Both conclusion A & B follows

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (a) : According to the statement, it is clear that it has become impossible for countries to control terrorism these days.

Hence, only conclusion A follows.

- 27.** Two statements are given followed by a conclusion. Decide whether the conclusion is true or false with respect to the statements.

Statements:

1. All that glitters is not gold

2. Gold is glittery.

Conclusion:

Whatever glitters is other than gold.

- (a) The conclusion is probably false
- (b) The conclusion is definitely true
- (c) The conclusion is definitely false
- (d) The conclusion is probably true

RRB NTPC 13.01.2021 (Shift-II) Stage Ist

Ans. (c) : Combining both the statements, it comes to the conclusion that other things intended for gold also shine. Hence, option (c) "the conclusion is definitely false" is correct.

- 28.** Read the given statement and conclusions carefully and decide which of the conclusions logically follow(s) from the statement.

Statement:

Despite sufficient availability of books in the libraries of educational institutions, majority of students studying in urban area's educational institutions have started using mobile phones or other electronic equipment as the main resource for seeking on/offline study material; as a consequence, there is severe decline in the use of books as study material.

Conclusions:

- 1) Methods of book reading should be devised.**
- 2) A study should be conducted to know about the status of book reading.**

- (a) Only conclusion 1 follows
- (b) Either conclusion 1 or 2 follows
- (c) Neither conclusion 1 nor 2 follows
- (d) Only conclusion 2 follows.

RRB NTPC 02.03.2021 (Shift-I) Stage Ist

Ans. (c) : According to the statement neither conclusion 1 nor 2 follows.

- 29.** Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.

Statements:

John is a renowned sports person.

All sports persons are fit and active.



John earns a large amount every year through advertisements of various products.

Conclusions:

- A. All renowned sportspersons earn large amount through advertisements.
 B. John is fit and active.
 C. John being popular advertises only famous products.
 (a) Only conclusion C follows
 (b) Both conclusions A and C follows.
 (c) Both conclusions A and B
 (d) Only conclusion B follows

RRB NTPC 08.01.2021 (Shift-I) Stage Ist

Ans. (d) : As per statements, Statement A is wrong because John is a famous sportsperson and earns huge amounts from advertisement. While conclusion A talks about all famous players.
 According to conclusion 'C' John being popular advertises only famous products and it is not clear from the conclusion. Hence, it is wrong.
 Conclusion 'B' seems to be true because John is a fit and active sportsperson and this is clear in statements.
 Only conclusion 'B' follows the statements logically.

- 30. Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.**

Statement:

The old leaves are replaced by new leaves.

Conclusions:

1. There can be no new leaves without old leaves.
 2. Old leaves are useless.
 (a) Only conclusion 1 follows.
 (b) Only conclusion 2 follows.
 (c) Neither conclusion 1 nor 2 follows.
 (d) Both conclusions 1 and 2 follow.

RRB NTPC 02.03.2021 (Shift-I) Stage Ist

Ans. (c) : It is given in statement that the old leaves are replaced by new leaves to which both the conclusions do not logically follow. Neither it means that there can be no new leaves without the old ones nor it means that old leaves are useless.

- 31. Read the given statement and conclusions carefully and decide which of the conclusions logically follow (s) from the statement.**

Statement :

The patient who was brought to the emergency during the last night would have survived if the surgery was done sometime before.

Conclusions :

- I. Surgery was the only option for survival.
 II. Patient was brought to the hospital late.
 (a) Neither I nor II conclusion follows
 (b) Only conclusion I follows
 (c) Only conclusion II follows
 (d) Both I and II conclusion follows

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (b) : Only conclusion I follows as per the given statement.

Hence, option (b) is correct.

- 32. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statement**

Statements:

1. Some of the topics taught by my teacher are light, sound and electricity.
 2. None of the topics of magnetism and waves after taught by my teacher
 3. All the topics taught by my teacher, except thermodynamics, are very comprehensible and interesting.

Conclusions:

- (i) My teacher teaches the topic sound in a very interesting manner
 (ii) Magnetism and thermodynamics are not taught by my teacher.
 (iii) The topic waves taught by my teacher is not very comprehensible.
 (a) Only conclusion (i) and (ii) follows
 (b) Only conclusion (iii) follows
 (c) Only conclusion (i) and (iii) follows
 (d) Only conclusion (i) follows

RRB NTPC 08.03.2021 (Shift-I) Stage Ist

Ans. (d) : It is clear from the above statement that "My teacher teaches the topic sound in a very interesting manner" is concluded.

Hence, option (d) is correct.

- 33. Read the given statements and conclusion carefully and state which of the conclusions logically follows from the statement.**

Statement:

In many developing countries, natural resources are being depleted due to rapid increase in population.

Conclusion:

- I. The population of developing countries will not continue to increase in the future
 II. Management of natural resources and population growth is a major challenge for developing countries
 (a) Neither I nor II follows
 (b) Both I and II follows
 (c) Only I follows
 (d) Only II follows

RRB NTPC 11.03.2021 (Shift-II) Stage Ist

Ans. (d) : According to the above statement, Only conclusion II (Management of natural resources and population growth is a major challenge for developing countries) is follows.

- 34. Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.**



Statement:

Aged persons should avoid vigorous exercises

Conclusions:

- (A) Exercises are not essential for youngsters
 (B) Vigorous exercises can cause damage to tendons
 (a) Neither conclusions A nor B follows
 (b) Both conclusions A and B follow
 (c) Only conclusion A follows
 (d) Only conclusion B follows

RRB NTPC 13.03.2021 (Shift-I) Stage Ist

Ans. (a) : Neither conclusion A nor B follows from the given statement because no information about youth and tendons is given in the statement.

- 35.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Members of the Jeevandeep society have their own business.

Conclusion:

- I. The son of one of the member of the Onkar society will handle the business of his father.
 II. Sheela who is a member of the society has their own business.
 (a) Only conclusion I follows.
 (b) Only conclusion II follows.
 (c) Either conclusion I or II follows.
 (d) Neither conclusion I nor II follows.

RRB NTPC 30.04.2016 Shift : 3

Ans. (b) Conclusion II follows because all the people of the society have their own business and Sheela is a member of that society. Hence, Sheela will have her own business.

- 36.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Until every national attains gender equality, freedom and democracy are meaningless.

Conclusions:

- I. Freedom and democracy are compliment of each other.
 II. Gender equality leads to real freedom and democracy.
 (a) Only conclusion I follows.
 (b) Only conclusion II follows.
 (c) Either I or II follows.
 (d) Neither I nor II follows.

RRB NTPC 30.04.2016 Shift : 2

Ans. (b) In the context of the statement, only conclusion II follows.

- 37.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

He stressed the heed to put an end to the present system of examination and to implement other methods to realize the real ability of the students instead.

Conclusions:

- I. Exams to be abolished.
 II. Present examination system does not assess the actual merit of students.
 (a) Only conclusion I follows.
 (b) Only conclusion II follows.
 (c) Either conclusion I or II follows.
 (d) Neither conclusion I nor II follows.

RRB NTPC 30.04.2016 Shift : 2

Ans. (b) Because the ending of the current examination system in the given statement that means the current examination system does not test the actual aptitude of the students. Thus, only conclusion II follows.

- 38.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement: 'XYZ' named book is the only book to focus on the problem of India's dowry system between 1920 and 1930.

Conclusions:

- I. In 1920 there was no problem of dowry.
 II. In 1920 and 1930 has no science about the dowry system.
 (a) Only conclusion I follows.
 (b) Only conclusion II follows.
 (c) Either conclusion I or II follows.
 (d) Neither conclusion I nor II follows.

RRB NTPC 30.04.2016 Shift : 2

Ans. (b) Only conclusion II follows to the given statement because the given statement focuses on the problem of dowry system between the 1920-1930. Not mentioned before 1920. Thus, only conclusion II follows.

- 39.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

The leader who makes so much noise for using Odiya often send their children to English medium schools to study.

Conclusions:

- I. India lack good schools in the Odiya medium.
 II. There is a great difference between preaching and acting in this world.



- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) Either conclusion I or II follows.
- (d) Neither conclusion I nor II follows.

RRB NTPC 30.04.2016 Shift : 2

Ans. (b) Only conclusion II follows from the given statement because the leaders are made to short at the use of Odiya in the statement and send children to English schools. That is to say, there is a lot of difference between preaching and implementing them.

- 40.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Cost is high for quality. All the countries are allocating large sums of money for the better of education for the poor.

Conclusions:

- I. The quality of education in the country to be improved soon.
 - II. Only investment can enhance the quality of education.
- (a) Only conclusion I follows.
 - (b) Only Conclusion II follows.
 - (c) Either conclusion I or II follows.
 - (d) Neither conclusion I nor II follows.

RRB NTPC 30.04.2016 Shift : 1

Ans. (a) Only conclusion I follows because price is paid for the upliftment of education and to get good quality. Whereas conclusion II does not follow because investment alone can not enhance the quality of education.

- 41.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Although we have a rating agency like CARE, ONICRA, there is a demand for a separates rating agency for I.T. companies to protect investors.

Conclusions:

- I. Estimating the financial value of I.T. companies demands different skills insights and competencies.
 - II. Now I.T. investors who invest in I.T. companies will get protection of their investments.
- (a) Only conclusion I follows.
 - (b) Only conclusion II follows.
 - (c) Either conclusion I or II follows.
 - (d) Neither conclusion I nor II follows.

RRB NTPC 30.04.2016 Shift : 1

Ans. (a) Only conclusion I follows.

- 42.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

America's defence secretary reiterated that he would continue to supply arms to Islamabad.

Conclusions:

- I. Islamabad is unable to build weapons.
- II. These will ensure peace in the region.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) Either conclusion I or II follows.
- (d) Neither conclusion I nor II follows.

RRB NTPC 30.04.2016 Shift : 1

Ans. (d) In the given statement, the US secretary has talked about the continuation of supply arms to Islamabad while there is not talk about the peace in the statement. So, neither conclusion I nor conclusion II follows.

- 43.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

The best way to avoid a fight, is to solve it.

Conclusions:

- I. If you don't face any problem then your life will become monotonous.
- II. To avoid problems you should always take certain measures.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) Either conclusion I or II follows.
- (d) Neither conclusion I nor II follows.

RRB NTPC 29.04.2016 Shift : 3

Ans. (b) You should always work out some solutions to avoid a fight. Hence only conclusion II follows.

- 44.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Money cannot buy some things like etiquette, moral, wisdom.

Conclusions:

- I. Money can buy everything.
- II. Money can buy something.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) Both I and II follows.
- (d) Neither I and II follows.

RRB NTPC 29.04.2016 Shift : 1



Ans. (b) Some things cannot be bought by money like manners, morality. It is clear from this statement that money cannot buy everything but can buy some things. Hence, option (b) is true.

- 45.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

1. Some birds enjoy insects some have bees and others taste pollen nector.
2. All honey bees love honey and pollen.
3. Some are red some are black and some are brown.

Conclusion:

- I. Some bees liked birds who eat pollen.
 - II. There are some birds who liked brown warms.
- (a) Only conclusion I follows.
 - (b) Only conclusion II follows.
 - (c) Both conclusion I and II follows.
 - (d) Neither conclusion I nor II follows.

RRB NTPC 26.04.2016 Shift : 1

Ans. (b) From the given statement only conclusion II follows. Because some birds like insects in the statement and some insect are red, black, brown. Thus, conclusion II follows while some bees may like pollen-eating birds not given in the statement. Thus, conclusion I does not follow.

- 46.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Industrial movement (revolution) which began in Europe has given a new era.

Conclusions:

- I. The gap between a rich and poor barn a new movement.
 - II. Movement gives a new model in the society.
- (a) Either conclusion I or II follows.
 - (b) Neither conclusion I nor II follows.
 - (c) Only conclusion II follows.
 - (d) Only conclusion I follows.

RRB NTPC 19.01.2017 Shift : 3

Ans. (c) From the given statement, only conclusion II follows because in the statement the industrial revolution new modeling society as explained in the statement. Therefore conclusion II follows while in the statement the rich and poor are not mentioned. Therefore, conclusion I do not follow the given statement.

- 47.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

In the book fair, an author's books are displayed to the public.

The prices of books are too much for a common man.

Conclusions:

- I. Common man only buys books from exhibition.
 - II. Expensive painting are also usually displayed in the art gallery.
- (a) Only conclusion I follows.
 - (b) Only conclusion II follows.
 - (c) Both conclusion I and II follows.
 - (d) Neither conclusion I nor II follows.

RRB NTPC 07.04.2016 Shift : 3

Ans. (d) According to the statement, the common man cannot buy books because the prices are high. Hence, conclusion I will not be true. There is no discussion of art gallery in the statement. Hence, conclusion II does not follows the statement.

- 48.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

To cultivate interest in debate the school has made it compulsory from December, 2015 that each student to attend two debate classes per week and submit weekly report on the debates discussed

Conclusions:

- I. Interest in debating can be created by force
 - II. Some students eventually will develop interest in debating
- (a) Only conclusion I follows
 - (b) Only conclusion II follows
 - (c) Both conclusion I and II follow
 - (d) Neither conclusion I nor II follows

RRB NTPC 11.04.2016 Shift : 1

Ans. (b) Only conclusion II follows from the given statement. Because attending a debate class to develop an interest in debating statement may result in some students eventually developing an interest. Conclusion II follows the given statement while an interest in debating is based on strength can be created forcefully is not given in the statement. Hence, conclusion I does not follow.



- 49.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Sukhwinder has emphasized the need to change the current training program in other ways which is able to bring out the actual qualification of the candidate.

Conclusions:

- I. It is not important bring out the actual qualifications of the candidate.
 - II. The current training program is not able to let out the actual qualifications of the candidates.
- (a) Only conclusion I follows.
 - (b) Only conclusion II follows.
 - (c) Either conclusion I or II follows.
 - (d) Neither conclusion I nor II follows.

RRB NTPC 11.04.2016 Shift : 1

Ans. (b) Only conclusion II follows from the given statement. Because the statement emphasizes the need to change the current training that means current training program may not be able to bring out the actual talent of the candidates. Thus, only conclusion II follows.

- 50.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Money plays an important role in politics.

Conclusions:

- I. Poor people can never become politician.
 - II. All the rich people participate in politics.
- (a) Only conclusion I follows.
 - (b) Only conclusion II follows.
 - (c) Either conclusion I or II follows.
 - (d) Neither conclusion I nor II follows.

RRB NTPC 12.04.2016 Shift : 1

Ans. (d) Neither conclusion I nor conclusion II follows from the given statement. Because statement plays an important role of money in politics but it does not mean that poor person can not be a politician and only rich man can be a politician.

- 51.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

1. The lack of natural resources in our country is a major concern.

2. Unless we develop good energy sources on a large scale, the increase in population will reduce the quality of life due to heavy burden on energy resources.

Conclusion:

- I. Lack of natural resources affects quality of life.
 - II. One solution is to good energy are to deal with population growth.
- (a) Only conclusion I follows.
 - (b) Only conclusion II follows.
 - (c) Both conclusion I and II follows.
 - (d) Neither conclusion I nor II follows.

RRB NTPC 19.04.2016 Shift : 1

Ans. (c) The lack of natural resources affects the quality of life. The use of renewable energy source is a solution to deal with increasing population. Hence, both conclusion I and II follow.

- 52.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

Adversity is the best teacher.

Conclusions:

- I. Poor people are educated
 - II. Adversity provides the necessary learning.
- (a) Only conclusion II follows.
 - (b) Neither conclusion I nor II follows.
 - (c) Only conclusion I follows.
 - (d) Both conclusion I and II follows.

RRB NTPC 18.01.2017 Shift : 1

Ans. (a) Adverse circumstances means in the given statement that adverse circumstances provide an opportunity to learn. Hence, conclusion II follows while the statement did not talk about the poor person. Hence conclusion I does not follows to the given statement.

- 53.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

1. No country in world has achieved the self-sufficiency.
2. Mechanization has failed.

Conclusion:

- I. It is not possible to become self-reliant.
 - II. Human labour is more productive than machine.
- (a) Only conclusion II follows.
 - (b) Both conclusion I and II follows.
 - (c) None of these conclusion follows.
 - (d) Only conclusion I follows.

RRB NTPC 28.03.2016 Shift : 3



Ans. (c) It is clear from the given statement that neither conclusion I nor conclusion II follows. Because according to the given statement no countries of the world has achieved self-reliance and mechanization has failed at all but this does not mean that it is impossible to become self-reliance and the statement does not mention about human labour.

- 54.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

1. Kids sometimes naughty.
2. Mother scream at their children like crazy people.

Conclusions:

- I. All mother are crazy.
 - II. Children are naughty due to their mother screaming.
- (a) Both conclusion I and II not follows.
 (b) Only conclusion I follows.
 (c) Only conclusion II follows.
 (d) Both conclusion I and II follows.

RRB NTPC 28.03.2016 Shift : 2

Ans. (a) From the given statements it is clear that conclusion I and conclusion II both do not follow.

- 55.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

1. These days college education is very expensive.
2. college education should be limited to few people.

Conclusions:

- I. No one can afford to go to college.
 - II. The poor should also have access to college education.
- (a) Only conclusion I follows.
 (b) Only conclusion II follows.
 (c) Both conclusion I and II follows.
 (d) Both conclusion I and II not follows.

RRB NTPC 28.03.2016 Shift : 2

Ans. (d) The statement said in the conclusion is different from the statement said in the statement. Hence, both conclusion I and II do not follow.

- 56.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

1. Pollution due to motor vehicles car increase manifold.
2. Breathing disease increase due to pollution.

Conclusions:

- I. If there is no car then there is no pollution.
- II. Doctor earn a lot of money due to pollution.

Decide which of the given conclusions logically follows the given steps.

- (a) Either conclusion I or II follows.
 (b) Neither conclusion I nor II follows.
 (c) Only conclusion I follows.
 (d) Only conclusion II follows.

Ans. (b) If there is no car then there is no pollution, it can not be said clearly and it is also wrong that Doctor earn a lot of money due to pollution. According to the given statement, neither conclusion I nor conclusion II follows.

- 57.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

1. Sam sleeps more than Ram who sleeps for 5 hour per day.
2. Shyam sleeps for 8 hours which is lesser than Sam's by 2 hour

Conclusions:

- I. Sam sleeps for 6 hours
 - II. Ram has bad sleeping habit
- (a) Only conclusion I follows.
 (b) Only conclusion II follows.
 (c) Both I and II follows.
 (d) Neither I nor II follows.

RRB NTPC 31.03.2016 Shift : 2

Ans. (d) Ram sleeps \Rightarrow 5 hr.

Shyam sleeps \Rightarrow 8 hr.

Sam sleeps \Rightarrow 10 hr.

Hence, neither conclusion I nor II follows.

- 58.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

1. Smoking is injurious to health and one of the causes of cancer.
2. The Government has prohibited smoking in public places.

Conclusions:

- I. Smoking causes cancer
 - II. Sale of cigarette should be banned.
- (a) Only conclusion I follows.
 (b) Only conclusion II follows.



- (c) both I and II follows.
(d) Neither I nor II follows.

RRB NTPC 31.03.2016 Shift : 2

Ans. (a) In the given statement, smoking is harmful to health and it is one of the causes of cancer. Hence, the conclusion I is reasonable while conclusion II is not follow the statement because in the statement smoking is prohibited in a public place but not on sale.

- 59.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

- A. Some frogs bark. All the frogs that bark are sure to bite.
B. Some frogs don't like snakes.

Conclusions:

- I. There can be a bark frog who won't like.
II. Any frog that bite does not necessary to bark.
(a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Both conclusion I and II follows.
(d) Neither conclusion I nor II follows.

RRB NTPC 31.03.2016 Shift : 1

Ans. (a) According to the given statement, only conclusion I is logical. The frogs who bite will certainly bark. Hence, conclusion II does not follows.

- 60.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Hrithik in spite of his busy schedule, finds time to rest

Conclusions:

- I. Hrithik is an systematic person
II. Rest is the most important thing for busy person
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither of them follows

RRB NTPC 02.04.2016 Shift : 3

Ans. (d) In the given statement, Hrithik take rest in spite of busy schedule but in the statement Hrithik is a systematic person and rest can not be said to be important for busy person, thus both conclusion I and II do not follow.

- 61.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

All hard-working people are successful

Conclusions:

- I. All successful people are hard-working
II. Only hard work can guarantee success in life

Decide the right option from below

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither of them follows

RRB NTPC 02.04.2016 Shift : 3

Ans. (d) Both conclusion I and II are not correct.

- 62.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Sachin Tendulkar was the greatest batsman in Indian Cricket.

Conclusions:

- I. In Indian cricket, no batsman other than Sachin Tendulkar will be greater than him
II. Sachin Tendulkar is the greatest batsman in the world.

Choose the right option from below

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither of them follows

RRB NTPC 02.04.2016 Shift : 3

Ans. (d) According to the statement, Sachin Tendulkar was the greatest batsman of Indian Cricket. But it is not necessary that no one can be the greatest anymore which leads to conclusion I wrong and in conclusion II the present is being talked about while the statement speaks on the past. Hence, both conclusion I and II are not logical.

- 63.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

In some tier 2 cities in India, transportation is one of the major problems

Conclusions:

- I. All tier 2 cities are not well connected
II. Lack of transportation facilities is the only problem in Indian metros
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither of them follows

RRB NTPC 02.04.2016 Shift : 2



Ans. (d) In the given statement, transportation is one of the major problems in some tier-2 cities but in conclusion all tier-2 cities are not well connected and metropolises are not mentioned in the statement. Hence, both conclusion I and II are not logical.

- 64.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Ranjeet was humiliated by his supervisor in front of his colleagues.

Conclusions:

I. Supervisor doesn't like Ranjeet

II. Ranjeet popular among his colleagues.

- (a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Both conclusion I and II follows.
(d) Neither conclusion I nor II follows.

RRB NTPC 02.04.2016 Shift : 1

Ans. (d) In the given statement, Ranjeet was insulted by the supervisor in front of his associates but this does not mean that the supervisor does not like Ranjeet and Ranjeet is popular among the associates. This is not given in the statement, so neither conclusion I nor II is logical.

- 65.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Take high risk and get reasonable returns.

Conclusions:

I. No risk, no gain.

II. Everyone should take risk in life.

- (a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Both conclusion I and II follows.
(d) Neither conclusion I nor II follows.

RRB NTPC 02.04.2016 Shift : 1

Ans. (d) In the given statement high risk gives high returns is explained but it does not mean that no risk has no benefit and every person should take risk in life. Hence, neither conclusion I nor conclusion II is logical from the given statement.

- 66.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Illiteracy is only reason of poverty.

Conclusions:

I. Poverty needs abolition.

II. Literate people are not poor.

- (a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Both I and II follows.
(d) Both I and II not follows.

RRB NTPC 03.04.2016 Shift : 3

Ans. (b) In the given statement, illiteracy is the cause of poverty. In conclusion I, poverty eradication is not given in the statement. Hence, conclusion I does not follow while in conclusion II literate people are not poor. Conclusion II is correct because illiteracy is the only reason given for poverty in the statement. Hence, only conclusion II follows.

- 67.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Out of 60 students, 15 were selected to represent the school quiz competition.

Conclusions:

I. Only 15 students in the school are intelligent.

II. The participating school were given a maximum limit of the number of students per school.

- (a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Both conclusion I and II follows.
(d) Neither conclusion I nor II follows.

RRB NTPC 03.04.2016 Shift : 3

Ans. (d) In the given statement, 15 out of 60 students were selected to represent the school quiz competition but this does not mean that only 15 students of the school is wise and no information is given in the statement about taking the maximum member of students. Hence, neither conclusion I nor II follows.

- 68.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statements:

1. Employees are well paid.

2. Rajan earns self-employed.

Conclusions:

I. Rajan is an employee.

II. Rajan is self-employed.

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither I nor II follows

RRB NTPC 03.04.2016 Shift : 2

Ans. (d) Conclusion I and II from statements I and II are not followed because Rajan may or may not be an employee and may or may not work. Hence, both I and II do not follow.



- 69.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Religions teach the quelling principle for leading one's life.

Conclusions:

I. Religion is way of life.

II. Religion is a teacher.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) both I and II follows.
- (d) Neither I nor II follows.

RRB NTPC 03.04.2016 Shift : 1

Ans. (a) In the given statement, religion teaches the guiding principles of living our life, so it is clear from the statement that the conclusion I is rational whereas the statement that religion is a teacher is not given in the statement. Hence, conclusion II is not logical.

- 70.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

A. Confusion causes mental tension.

B. Mental tension causes anxiety.

Conclusions:

I. Anxiety is a disease.

II. Confusion lead to anxiety.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) Both I and II follows.
- (d) Neither I nor II follows.

RRB NTPC 03.04.2016 Shift : 1

Ans. (b) Only conclusion II is rational because in the statement mental tension and anxiety are given but the word disease is not used in the statement. Hence, conclusion I is not rational whereas conclusion II is rational.

- 71.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Project are allocated only to competent candidates experienced in similar work.

Conclusions:

I. Project are allocated only to gates in experienced people.

II. It is difficult to find competent and experienced candidates.

- (a) Only conclusion I follows.

- (b) Only conclusion II follows.
- (c) Both conclusion I and II follows.
- (d) Both conclusion I and II no follows.

RRB NTPC 04.04.2016 Shift : 3

Ans. (a) In the given statement the projects are allotted to the experienced and competent candidate. Hence, conclusion I follows the given statement whereas 'it is difficult to find micro and experienced candidates in the statement' is not given in the statement. So, conclusion II does not follow.

- 72.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Luck is favourable to the rich.

Conclusions:

I. Rich people are lucky.

II. The poor can never get lucky.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) Both conclusion I and II follows.
- (d) Both conclusion I and II no follows.

RRB NTPC 04.04.2016 Shift : 2

Ans. (a) According to the statement, 'rich people can be lucky' is true while 'the poor can never be lucky' this conclusion is wrong. So, only conclusion I follows.

- 73.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Girls are mainly intelligent in class.

Conclusions:

I. There is no boys in class.

II. Some girls in class are not intelligent.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) Both conclusion I and II follows.
- (d) Neither conclusion I nor II follows.

RRB NTPC 04.04.2016 Shift : 1

Ans. (b) The statement does not lead to the conclusion I because there are no boys in the class is not clear in the statement whereas 'some girls in the class are not intelligent' is true Hence, only conclusion II follows.

- 74.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

A. There is no substitute for hard work.

B. Hard workers are always optimistic about results.

**Conclusions:**

- I. There is no direct way to get results other than hard work.**
- II. Hard work is sure way to success.**
- (a) Only conclusion I follows.
 (b) Only conclusion II follows.
 (c) Both conclusion I and II follows.
 (d) Neither conclusion I nor II follows.

RRB NTPC 04.04.2016 Shift : 1

Ans. (a) It is clear from the statement that there is no direct way to get results other than hard work. Hence only conclusion I is rational.

- 75.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

After stepping on the moon, Neil Armstrong said, "One small step for a man, a giant leap for mankind."

Conclusions:

- I. Neil Armstrong described himself as a caste for mankind.**
- II. Neil Armstrong's words embodied the title of mankind only through words.**
- (a) Only conclusion I follows.
 (b) Only conclusion II follows.
 (c) Both conclusion follows.
 (d) Neither conclusion I nor II follows.

RRB NTPC 05.04.2016 Shift : 3

Ans. (b) It is clear from the statement that the words of Neil Armstrong resonate only with mankind's sense of accomplishment. Hence, conclusion II follows.

- 76.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Based on his performance, Rajesh got a poor rating in his office.

Conclusions:

- I. Rajesh did not perform well.**
- II. The rating given to Rajesh was not up to the mark.**

Find which of the given conclusions logically follow from the given statement

- (a) Only conclusion I follows
 (b) Only conclusion II follows
 (c) Both I and II follow
 (d) Neither I nor II follows

RRB NTPC 05.04.2016 Shift : 3

Ans. (c) According to the given statement there may be two reasons for poor evaluation of Rajesh in his office, first, Rajesh does not perform well or he is not evaluated properly. Hence, both conclusion I and II follow.

- 77.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

A prominent diplomat urged women not to wait for others to get their right yet empower their minds.

Conclusions:

- I. Women have to put their own message because their empowerment cannot be entirely by the state.**
- II. Women should wait for laws for power.**
- (a) Only conclusion I follows.
 (b) Only conclusion II follows.
 (c) Both conclusion follows.
 (d) Neither conclusion I nor II follows.

RRB NTPC 05.04.2016 Shift : 2

Ans. (a) It is clear from the statement that women have to set their minds because their empowerment cannot be entirely by the state. Hence, only conclusion I follows.

- 78.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

- 1. A economist said with uncertainty that they welcomed the budget.**
- 2. He wanted to know if the presumption is based on faith.**

Conclusions:

- I. Giving his views the economist had crossed his two fingers.**
- II. He is not sure about the accuracy of the estimates.**
- (a) Only conclusion I follows.
 (b) Only conclusion II follows.
 (c) Both conclusion follows.
 (d) Neither conclusion I nor II follows.

RRB NTPC 05.04.2016 Shift-1

Ans. (b) In the given statement the economist welcomes the union budget with uncertainty and wants to know that the estimate is based on reliable data but in the statement the economist has not given his two fingers crossed. Hence conclusion I does not follow while conclusion II follows because the economist was not convinced of the accuracy of the estimate. Hence, only conclusion II follows.



- 79.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

All drugs have side effects. Hence taking drugs always be risky.

Conclusions:

- I.** No medicine affects without risk of side effects.

- II.** Medicine affects the disease more badly.

- (a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Neither conclusion I nor II follows.
(d) Both conclusion I and II follows.

RRB NTPC 17.01.2017 Shift-2

Ans. (a) According to the given statement only conclusion I is rational because the given statements may cause risky side affects of all the drugs, that the drug does not affect without side effect. Hence, conclusion I is logical whereas in the statements no information is given about the disease. Hence, conclusion II is not logical.

- 80.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

The melodious voice is a gift of nature. But one has to improve and excellent in the field of music.

Conclusions:

- I.** Natural gifts require nourishment and care.

- II.** A person can attain the gift of nature through continue practice.

- (a) Either conclusion I or II follows.
(b) Neither conclusion I nor II follows.
(c) Only conclusion I follows.
(d) Only conclusion II follows.

RRB NTPC 17.01.2017 Shift-1

Ans. (c) The melodious voice is a gift of nature but one needs practice to improve and excellence in the field of music that is conclusion I is according to the rule of above statement.

- 81.** Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement.

Statement:

Success cannot be achieved without hard work.

Conclusions:

- I.** Every hard working person is successful.

- II.** Every successful person is hardworking.

- (a) Only conclusion I follows.
(b) Only conclusion II follows.
(c) Both conclusion follows.
(d) Neither conclusion I nor II follows.

RRB NTPC 02.04.2016 Shift : 2

Ans. (b) According to the statement, it is clear that every successful person is hardworking. Hence, only conclusion II is correct.

Type-2 : Statement and Conclusion based on Mathematical operations

- 82.** '#' mean '>', '\$' mean '≥', '%' mean '<' and '@' mean '≤'

Assuming the following statements to be true, which of the conclusions given in the options definitely true.

B \$ D \$ A

R % D % L @ J

- (a) B # L (b) A % L
(c) J % D (d) B \$ J

RRB NTPC (Stage-II) -16/06/2022 (Shift-I)

Ans. (b) : Given,

∴ # → >
\$ → ≥
% → <
@ → ≤

∴ B \$ D \$ A = B ≥ D ≥ A (i)

R % D % L @ J = R < D < L ≤ J (ii)

On arranging the equation (i) and (ii)–

J ≥ L > B ≥ D ≥ A > R

- (a) B # L = B > L (False)
(b) A % L = A < L (True)
(c) J % D = J < D (False)
(d) B \$ J = B ≥ J (False)

Hence, option (b) is definitely true.

- 83.** In the given statement, relationship between different elements is shown. Which of the following conclusions logically follow(s) from the given statements?

Statement:

S < G < X = T > W > Q < R.

Conclusions:

I. W < X

II. Q = S

- (a) Only conclusion II follows
(b) Only conclusion I follows
(c) Either conclusion I or II follows
(d) Both conclusion I and II follow

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question,

S < G < X = T > W > Q < R

X = T > W

(i) W < X (✓)

(ii) Q = S (✗)

Thus, it is clear from statement that only conclusion (I) follows.



Read the given statement and conclusions carefully and decide which of the conclusions logically follow(s) from the statement.

- 84.** Statement: $P > Q \leq C \leq B = M > D$
 Conclusion:
 I : $M > Q$
 II : $D \leq Q$
 III : $M = Q$
 IV : $C < D$
 (a) Only either I or III is correct.
 (b) Only I is correct.
 (c) None of the conclusion is correct.
 (d) Either only II or only IV is correct.

RRB NTPC 17.01.2017 Shift-3

Ans. (a) According to the question,
 $P > Q \leq C \leq B = M > D$
 Conclusions -
 (a) $M > Q$, false (as $Q \leq C \leq B = M \rightarrow M$ gives either $M = Q$ or $M > Q$)
 (b) $D \leq Q$, false (as $Q \leq C \leq B = M > D$)
 (c) $M = Q$, false (as $Q \leq C \leq B = M \rightarrow M$ gives either $M = Q$ or $M > Q$)
 (d) $C < D$, false (as $C \leq B = M > D$)
 Therefore conclusion I and III forms a complementary pair either.
 Thus, the correct answer is option (a).

- 85.** If $A < B < C > D < E > A$, then which of the following can be concluded?
 (a) $A < D < B$ (b) $C > A < E$
 (c) $B > A > E$ (d) $E > C > D$

RRB NTPC 02.02.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question
 $A < B < C > D < E > A$
 From option (b)
 $C > A < E$
 It is clear that option (b) can be concluded.

Type-3 : Miscellaneous

- 86.** Read the given statement and decisions carefully and decide which of the given decisions logically follow(s) from the statement.
 Statement:
 The sale of a particular product has gone down market due to a change in the trend causing great concern to the company.
 Decisions:
 I. The price of the product should be reduced and the quality should be improved.
 II. The company should make a study of customer choices and market competition in the market.
 (a) Neither decision I nor II follow.
 (b) Only decision I follows.
 (c) Only decision II follows.
 (d) Both decision I and II follow.

RRB NTPC 09.02.2021 (Shift-II) Stage Ist

Ans. (c) : It is clear from the above statement that the company should study the preferences of the customers and the competition in the market. So, only decision II follows.

- 87.** Given below is a 'main statement' followed by four subsidiary statement.
 From the given options, choose the ordered pair of subsidiary statements, where the first statement implies the second and the two statements are logically consistent with the main statement.

Main Statement:

You can drive over 60 km/h only on the national highways.

Subsidiary Statements :-

- A. You are on the national highways.
 B. You cannot drive over 60 km/h.
 C. You can drive over 60 km/h.
 D. You are not on the national highway.
 (a) DB (b) DA
 (c) CD (d) AB

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (a) : Out of the given pairs option (a) be the required answer. In which the given statement B is implicit in the statement D and both statement are logically related to the main statement.

- 88.** Select the concept that is implicit in the given statement.
 Doctors who charge high consultation fee are good.
 (a) A doctor's proficiency is directly related to consultation fees
 (b) The doctor is a good practitioner.
 (c) A doctor who charges less consultation fee is unpopular
 (d) The doctor has many patients

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (a) : Doctors who charge high consultation fee are good. Here a doctor's proficiency is directly related to consultation fees. Hence option (a) is implicit.

- 89.** Read the given statement carefully and answer the question.

Statement :

- Some doors are made of woods and some of irons.
- Some iron pieces are of white colour and some of them are red colour.
- All the piece of woods are of yellow colours.

What conclusion comes out from the above statements ?

- (a) At least one of the door is of red colour.
 (b) None of the doors is of yellow colour.
 (c) All the doors are of wood and of yellow colour.
 (d) At least one of the door is of yellow colour.

RRB NTPC 05.04.2016 Shift : 2

Ans. (d) : The statement concludes that at least one door is of yellow colour.



14.

Statement and Assumption/Operations

Type-1: Problems based on statement/ Question and Assumption

1. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

A cab can be booked by the customer using mobile apps.

Assumptions:

- I. Sales of luxury cars will increase substantially.
 - II. Customers will have to pay less.
- (a) Both assumptions I and II are implicit
 - (b) Only assumption I is implicit
 - (c) Neither assumption I nor II is implicit
 - (d) Only assumption II is implicit

RRB NTPC (Stage-II) –13/06/2022 (Shift-I)

Ans. (c) : In assumption (I) sales of luxury cars will increase substantially. In assumption (II) customers will have to pay less. The things mentioned in both the assumption have nothing to do with the statement. Hence neither assumption I nor II is implicit.

2. Consider the given statement and decide which of the given assumptions is/ are implicit in the statement.

Statement:

The electricity board has started going from home to home to collect bills.

Assumptions:

- A. Electricity board considers going home to home an effective way to collect bills.
 - B. The electricity board has increased its focus on collecting bills.
- (a) Only assumption A is implicit
 - (b) Neither A nor B is implicit
 - (c) Only assumption B is implicit
 - (d) Both A and B are implicit

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question it is clear from the statement that both assumption A and B are implicit.

3. Consider the given statement and decide which of the given assumption is/are implicit in the statement :

Statement:

"We use platinum, the lustrous metal, for jewellery" _____ An advertisement.

Assumption:

- I. Platinum is a lustrous metal
 - II. Platinum is use for making jewellery
- (a) Only assumption II implicit
 - (b) Neither assumption I nor II is implicit
 - (c) Only assumption I is implicit
 - (d) Both assumption I and II are implicit

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question it is clear from the statement that assumption I and II both are implicit.

4. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement :

"The Indian cricket team is expected to win the World Cup in 2019" –Mahendra Singh Dhoni.

Assumptions :

1. Indian cricket team is good
2. Indians want the Indian cricket team to win the World Cup 2019

- (a) Neither assumption 1 nor 2 is implicit
- (b) Only assumption 1 is implicit
- (c) Only assumption 2 is implicit
- (d) Both assumptions 1 and 2 are implicit

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question it is clear from the statement that only assumption 1 is implicit.

5. Consider the given question and decide which of the given assumptions is/are implicit in the question.

Question :

Could India become a terror free country in future?

Assumptions:

1. India has declared a zero-tolerance policy
2. India's security establishment is working hard on all the fronts

- (a) Both assumptions 1 and 2 are implicit
- (b) Either assumption 1 or 2 is implicit
- (c) Only assumption 1 is implicit
- (d) Only assumption 2 is implicit

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (a) : Since, India has declared a zero-tolerance policy thus, off course in a given course of time India will emerges as a terror free country provided that all our security intelligence are working with might and main. Hence, both assumptions 1 and 2 are implicit.

6. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement :

Many farmers are taking up organic farming

Assumptions

- I. Organic farming is easy to practice
- II. Organic farming is more beneficial to farmers

- (a) Neither assumption I nor II is implicit
- (b) Only assumption II is implicit
- (c) Either assumption I or II is implicit
- (d) Only assumption I is implicit

RRB NTPC 16.01.2021 (Shift-I) Stage Ist



Ans. (b) : Many farmers do organic farming, farmers doing organic farming will be given 10 thousand rupees per acre by the Government. Not only this, when the farmers crops are ready, the government will make separate arrangements to buy them in the mandis. So that organic farming is more beneficial for the farmers. Therefore only assumption II is implicit in the statement.

7. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement :

On his second visit, the doctor changed the prescription

Assumptions

- I. The patient did not show improvement with the earlier prescription**
II. The patient did not take the earlier prescription seriously
- (a) Both assumptions I and II are implicit
 (b) Only assumption I is implicit
 (c) Only assumption II is implicit
 (d) None of the assumptions is implicit

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (b) : The patient did not show improvement in the earlier prescription. So the doctor changed the prescription. Hence, only assumption I is implicit in the statement.

8. Consider the given statement and decide which of the given assumptions is/are implicit in the statement

Statement:

If you don't follow traffic rules, you will be fined

Assumptions:

- I: People may start following rules to avoid fine**
II: Traffic rules are for people's safety
- (a) Only assumption I is implicit
 (b) Neither I nor II is implicit
 (c) Only assumption I is implicit
 (d) Both I and II are implicit

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (a) : According to the given statement only conclusion I follows. Hence option (a) will be right answer.

9. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

"From next month, everyone has to pay income tax no matter what your income is"- Government notice said.

Assumptions:

- I: Government Treasury fund is getting short**
II: People of the country have become rich
- (a) Both I and II are implicit
 (b) Only assumption II is implicit
 (c) Only assumption I is implicit
 (d) Neither I nor II is implicit

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (d) : According to the given statement neither assumption I nor II implicit Hence option (d) will be the right answer.

10. Consider the given statement and decide which of the given assumptions is/'are implicit in the statement.

Statement:

"Invest in our schemes and double your money"- Statement by a marketing executive.

Assumptions:

- 1. The statements is an unrealistic assurance**
2. People want to invest their savings to increase their income.
- (a) Neither assumption 1 nor 2 is implicit.
 (b) Only assumption 1 is implicit.
 (c) Both assumptions 1 and 2 is implicit
 (d) Only assumption 2 is implicit

RRB NTPC 04.03.2021 (Shift-I) Stage Ist

Ans. (d) : It is clear from above statement that people want to invest their savings to increases their income. Hence, only assumption 2 in implicit.

11. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

In the last year, Pune University has launched a number of vocational courses for the better future of students.

Assumptions:

- A. Pune University believes that vocational education provides a better future for students.**
B. Pune University is conscious about the future of students.
- (a) Only assumption A is implicit.
 (b) Neither assumption A nor B is implicit.
 (c) Only assumption B is implicit.
 (d) Both assumptions A and B are implicit.

RRB NTPC 08.01.2021 (Shift-I) Stage Ist

Ans. (d) : From the above statement it is clear that the assumptions A & B are implicit.

12. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

Chain snatching incidents are increasing day-by-day.

Assumptions:

- I. Police personnel are involved in such incidents:**
II. Chain snatchers have no fear of punishment.
- (a) Only assumption I is implicit
 (b) Both assumptions I and II are implicit
 (c) Only assumption II is implicit
 (d) Neither assumption I nor II is implicit

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (c) : Incidents of chain snatching are increasing day-by-day because chain snatchers have no fear of punishment. Hence, only assumption (II) is implicit.



13. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

Examinations must be conducted without any favours to evaluate the true performance of the students.

Assumptions:

1. No unfair means or help shall be provided to the students.
 2. Teachers should help their favourite students perform better.
- (a) Only assumption 1 is implicit
(b) Both assumptions 1 and 2 are implicit
(c) Either assumption 1 or 2 is implicit
(d) Only assumption 2 is implicit

RRB NTPC 21.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the given statement only assumption 1 is implicit.

14. Consider the given statements and decide which of the given assumptions is/are implicit in the statements.

Statement:

If you want good education for kids admit them to private schools.

Assumptions:

1. Only private schools provide good teachers.
 2. Paying hefty fees is worth the tutoring offered at private schools.
- (a) Both assumption 1 and 2 are implicit.
(b) Only assumption 2 is implicit.
(c) Neither assumption 1 nor 2 is implicit.
(d) Only assumption 1 is implicit.

RRB NTPC 19.03.2021 (Shift-I) Stage Ist

Ans. (c) : Given statement only talks about getting the kids in private schools while, in assumption 1 it talked about teachers in private school which does not come in the statement and in assumption 2 it talked about fees, this is also not a part of statement.
Hence, neither assumption 1 nor 2 is implicit.

15. Consider the statement given below and state which of the following assumption(s) is/are implicit in the statement.

Statement –

The tickets for business class are exceeding high priced at ₹50,000.

Assumptions :

1. The price of tickets for other classes are has been kept reasonable
 2. ₹50,000 is a huge amount to pay for the ticket for business class.
- (a) Only assumption 1 is implicit
(b) Both 1 and 2 are implicit
(c) Either 1 or 2 is implicit
(d) Only assumption 2 is implicit

RRB NTPC 31.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the given statement only assumption 2 is implicit whereas the price of ticket for other classes is not mentioned in the statement.

16. Consider the given statement and decide which of the given assumptions is/are implicit in the statements.

Statement:

If you want good education for kids admit them to private schools.

Assumptions:

1. Only private schools provide good teachers.
 2. Paying hefty fees is worth the tutoring offered at private schools.
- (a) Both assumption 1 and 2 are implicit.
(b) Only assumption 2 is implicit.
(c) Neither assumption 1 nor 2 is implicit.
(d) Only assumption 1 is implicit.

RRB NTPC 04.02.2021 (Shift-II) Stage Ist

Ans. (c) : From the above statement it is clear that neither assumption 1 nor 2 is implicit.

17. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

A child should be put in school at the age of 5 years or so.

Assumptions:

- I. The schools do not admit children after 6 years of age.
 - II. Below the age of 5 a child does not attain appropriate level of development and ability to learn.
- (a) Neither I nor II is implicit.
(b) Both I and II are implicit.
(c) Only I is implicit.
(d) Only II is implicit.

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (d) : A child should be put in school at the age of 5 years or so because below the age of 5, a child does not attain appropriate level of development and ability to learn.

So, only assumptions II is implicit.

18. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

A signboard in a park states: Please use the dustbin, do not litter and help keep your community clean.

Assumptions:

- I. Throwing litter around makes a community dirty.
 - II. People are likely to pay attention to this notice.
- (a) Either I or II is implicit.
(b) Only assumption II implicit
(c) Only assumption I implicit
(d) Both, I and II are implicit.

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (d) : Both I and II are implicit. Because on throwing litter around makes a community dirty. By writing on the notice board it means that people are likely to pay attention to this notice.

19. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement

"She has been sneezing and has runny nose since a year. She could be suffering from allergic rhinitis." A doctor told a patient's mother.

**Assumptions:**

- (I) Very few diseases have the symptom of a prolonged sneezing and runny nose.
 (II) One symptom of allergic rhinitis is a prolonged sneezing and runny nose.
 (III) Many diseases have the symptom of a prolonged sneezing and runny nose.
 (a) Assumption II and either I or III are implicit.
 (b) Only I and II are implicit.
 (c) Only assumption I is implicit.
 (d) Only assumption II is implicit.

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (d) : It is clear from above statement that assumption II "Prolonged sneezing and runny nose is a symptom of allergic rhinitis" is implicit in statement.

20. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

"In the latest edition of your book, we misspelled your name of the book cover. We are very sorry ma'am". A novel editor told his client.

Assumptions:

- (I) It is crucial to print the correct name of the author on the book cover
 (II) It is not very important to print the correct name of the author on the book cover
 (a) Only assumption II is implicit.
 (b) Only assumption I is implicit.
 (c) Both assumptions are implicit.
 (d) Neither assumptions are implicit.

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (b) : According to given statement it is clear that assumption (I) it is crucial to print the correct name of the author on the book cover is implicit in statement. Hence, option (b) is right answer.

21. Consider the given statement and decide which of the given assumption(s) is/are implicit in the statement.

Statement:

The government has instructed all private colleges in the city to not increase the current fees for at least 3 years.

Assumptions:

1. The authorities of private colleges may not follow the government's instruction since they are not dependent on the government funds.
 2. The parents of the students from the city's private colleges are still be eager to pay higher fees.
 (a) Only Assumption 2 is implicit
 (b) Only Assumption 1 is implicit
 (c) Neither assumption 1 and nor 2 is implicit
 (d) Either assumption 1 or 2 is implicit.

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (c) : From the given statement it is clear that neither assumption 1 and nor 2 is implicit.

22. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

A wealthy person has a higher chance of having diabetes.

Assumptions:

- I. Most of causes of death among wealthy persons are due to diabetes.
 II. Poor persons do not have diabetes.
 (a) Both, assumptions (I) and (II) are implicit.
 (b) Only assumptions (II) is implicit.
 (c) Only assumptions (I) is implicit.
 (d) Neither assumption (I) nor (II) is implicit.

RRB NTPC 04.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the statement, neither assumption (I) nor (II) is implicit.

23. Consider the given statement and decide which of the given assumptions are implicit in the statement.

Statement:

Go by airplane to reach Bengaluru from Mumbai quickly.

Assumptions:

1. Bengaluru and Mumbai are connected by airplane service.
 2. There is no other means of going from Bengaluru to Mumbai.
 (a) Both 1 and 2 are implicit
 (b) Only 2 is implicit
 (c) Only 1 is implicit
 (d) Neither 1 nor 2 is implicit

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (c) : Both the cities of Mumbai and Bengaluru have airplane services and both the cities are connected by air services, so one can travel from Mumbai to Bengaluru quickly to reach Bengaluru. Hence, only assumption I is implicit.

24. Consider the given statements and decide which of the given assumptions is/are implicit in the statement.

Statement:

'Besides Cricket, Indian Government should also promote other games'.

Assumptions:

- I. Cricket is world's most famous game.
 II. Cricket receives the maximum support from the Indian government
 (a) Only assumption II is implicit.
 (b) Neither I nor II is implicit.
 (c) Only assumption I is implicit.
 (d) Both I and II are implicit.

RRB NTPC 25.01.2021 (Shift-II) Stage Ist

Ans. (a) : According to the given statement only assumption (II) is implicit.

25. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

X did not solve the equation on the black board with a chalk.

Assumptions:

- (I) The equation was solved on a paper.
 (II) The equation was solved by X on the black board with a marker.
 (a) Only assumption II is implicit.
 (b) Only assumption I is implicit.
 (c) Neither assumption I nor II is implicit.
 (d) Both assumptions I and II are implicit.

RRB NTPC 02.02.2021 (Shift-I) Stage Ist



Ans. (c) : According to the statement, neither assumption I nor II is implicit.

26. Consider the given statements carefully and decide and state which of the given assumptions are implicit in the statement.

Statement -

A man said to his friend 'Tomorrow is the cricket match between India and Pakistan, therefore all roads will be deserted.'

Assumptions :

I. Curfew will be declared tomorrow to avoid problems.

II. People would rather watch the match than go out in the streets.

- (a) Both assumption I and assumption II are implicit
(b) Only assumption I is implicit
(c) Only assumption II is implicit
(d) Neither assumption I nor II is implicit

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (c) : A person said to his friend—Tomorrow is India-Pak Cricket match, that's why the streets would be deserted;

It is clear from the above statement that people would prefer to watch cricket match rather stralling. Therefore assumption II is implicit.

27. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

"If you solve this puzzle, I will buy you the moon." Radha said to Mogli.

Assumptions :

A. Mogli wants to buy the moon.

B. Mogli won't be able to solve the puzzle.

- (a) Either A or B are implicit
(b) Only assumption A is implicit
(c) Both A and B are implicit
(d) Only assumption B is implicit

RRB NTPC 31.07.2021 (Shift-II) Stage Ist

Ans. (d) : It is clear from the statement that Mogli would not be able to solve the puzzle, so Radha placed a condition to buy the moon. Hence, only assumption B is implicit in the statement.

28. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement :

Indians go abroad to get better jobs.

Assumptions :

1. Indians can get better jobs in abroad.

2. India lacks better job opportunities.

- (a) Only assumption 2 is implicit.
(b) Both assumptions 1 and 2 are implicit.
(c) Only assumption 1 is implicit.
(d) Neither assumption 1 nor 2 is implicit.

RRB NTPC 23.01.2021 (Shift-II) Stage Ist

Ans. (b) : According to the given statement, both assumptions 1 and 2 are implicit.

29. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

An advertisement states that XYZ paints should be used to decorate houses.

Assumptions :

1. People want to decorate their house.

2. Only XYZ paints can make houses decorative.

- (a) Only assumption 2 is implicit.
(b) Neither assumption 1 nor 2 is implicit
(c) Either assumption 1 or 2 is implicit.
(d) Only assumption 1 is implicit.

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (d) : According to above statement only assumption (1) is implicit.

30. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement by a Production Manager:

"Quality of raw material supplied is below average, so production will also be substandard."

Assumptions :

(1) Only good quality raw material can result in quality products.

(2) Costly raw material can always produce good quality products.

- (a) Neither assumption (1) nor (2) is implicit
(b) Either assumption (1) or (2) is implicit
(c) Only assumption (1) is implicit
(d) Only assumption (2) is implicit

RRB NTPC 09.03.2021 (Shift-I) Stage Ist

Ans. (c) : It is clear by statement that assumption (1) is implicit while assumption (2) is not implicit in statement.

So, option (c) is right.

31. Consider the statement given below and state which of the given assumptions are implicit in the statement?

Statement:

Preeti wants to study engineering, but her father is pushing her to study in the medical stream in college

Assumptions:

1. Preeti's father believes that medical stream is better for Preeti's future.

2. Preeti does not want to study medical related subjects.

- (a) Only assumption 2 is implicit.
(b) Only assumption 1 is implicit.
(c) Either assumption 1 or assumption 2 is implicit.
(d) Assumption 1 and assumption 2, both are implicit.

RRB NTPC 19.03.2021 (Shift-I) Stage Ist

Ans. (d) : Preeti wants to study engineering, but her father is pushing her to study in medical stream in college. Hence, according to the statement there can be an assumption that Preeti's father think good for her, therefore he wants to send her for the medical stream. While there is also a belief that Preeti does not like medical studies. Hence, assumption 1 and 2, both are implicit.



Type-2: Problems based on statement/ Question and Argument

32. A statement is given followed by two Decide which of the arguments is/are strong with respect to the statement.

Statement:

Life expectancy of Indians is increasing

Arguments

- I. Yes. People are getting better medical facilities.
 - II. Yes. People are doing more physical exercises now
- (a) Both arguments I and II are strong
 - (b) Only argument I is strong
 - (c) Neither I nor II is strong
 - (d) Only argument II is strong

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (a) : Both arguments I and II are strong

33. A statement is given followed by two arguments. Decide which of the following arguments is/are strong with respect to the statement.

Statement :

Oils should be totally removed from our diet

Arguments :

- I. Yes, removing oils from our diet will keep the budget in check
 - II. No, some types of oils are essential for us as our body cannot produce them on its own
- (a) Neither argument I nor II is strong
 - (b) Only argument II is strong
 - (c) Only argument I is strong
 - (d) Both arguments I and II are strong

RRB NTPC 10.02.2021 (Shift-I) Stage Ist

Ans. (b) : Many types of oils are necessary for our body, some of which are made by our body but there are some which we take through our diet therefore, removing oil completely from our diet can lead to many types of deficiencies in the body. Only argument –II is strong with respect to the statement.

34. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Does assigning class monitors harbour the feeling of jealousy among students?

Arguments:

- (i) Yes, all class monitors start to behave arrogantly.
 - (ii) No, it teaches them equity by providing every student a chance to learn team spirit under a leader.
- (a) Only argument (ii) is strong.
 - (b) Both the arguments are strong.
 - (c) None of the arguments are strong.
 - (d) Only argument (i) is strong.

RRB NTPC 22.02.2021 (Shift-II) Stage Ist

Ans. (a) : According to the given question only argument (ii) is strong.

35. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should elections be conducted for student unions in educational institutions?

Arguments:

1. Yes, it is important to conduct elections so that the rights and complaints of the students can be heard by authorities.
2. No, it disrupts the educational environment and leads to chaos and violence in institutes which does not solve any problems but creates more issues.

(a) Both 1 and 2 are strong

(b) Only 2 is strong

(c) Only 1 is strong

(d) Neither 1 nor 2 is strong

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (a) : It is important to conduct elections for student unions in educational institution so that the right and grievances of student can be heard by the authorities but it disrupts the educational environment and leads to anarchy and violence in the institution which is the not solution to any problem and even gives rise to more controversies. Hence, both the arguments are strong with respect to the statement.

36. A question is given followed by two arguments decide which of the following arguments is/are strong with respect to the question :

Question :

Should strikes in the banking sector be banned

Arguments :

I. No, it infringes labour rights

II. Yes, it affects the public adversely

- (a) Both arguments I and II are strong
- (b) Neither arguments I nor II is strong
- (c) Only argument I is strong
- (d) Only argument II is strong

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (a) : By banning strikes in the field of banking the labour officer is disregarded, but the strike also causes hardship to the people. Hence, both the arguments are strong in the context of the statement.

37. A statement is given followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

Statement:

Everyone should read a newspaper daily

Arguments:

1. Yes, because it will help knowing about what is happening around and increasing general awareness

2. No, because everyone does not prepare for competitive exams

(a) Both argument 1 and 2 are strong

(b) Neither 1 nor 2 argument is strong

(c) Only argument 1 is strong

(d) Only argument 2 is strong

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (c) : Reading newspaper daily helps us to get information about the activities around and increase general awareness.

Hence only argument 1 is strong with respect to the statement.



38. A statement is given followed by two arguments. Decide which of the argument(s) is/are strong with respect to the statement question.

Statement:

Introduction of multiplication tables in the syllabus for class 2 is not advisable.

Arguments:

- (1) Children in class 2 are too young to understand the mathematical concept.
 - (2) Burdening young children with such complex concepts may create fear of the subject.
- (a) Both arguments (1) and (2) are not strong
 - (b) Only argument (1) is strong
 - (c) Only arguments (2) is strong
 - (d) Both arguments (1) and (2) are strong

RRB NTPC 09.03.2021 (Shift-I) Stage Ist

Ans. (d) : According to statement both arguments (1) and (2) are strong.

39. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should students cheating in exams be punished?

Arguments:

- I. No, cheating is common fact among successful people
 2. Yes, as the exams are conducted to assess the competency of an individual, so they should give exams honestly
- (a) Neither Arguments 1 nor 2 is strong
 - (b) Only Arguments 1 is strong
 - (c) Both, Arguments 1 and 2 are strong
 - (d) Only Arguments 2 is strong

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (d) : According to the given question only Argument 2 is strong.

40. A question is given, followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should the sale and use of tobacco be completely banned in India?

Arguments:

- I. Yes. Tobacco causes oral cancer and other diseases.
 - II. No. Millions of workers will lose their jobs.
- (a) Only argument (II) is strong
 - (b) Both, (I) and (II) is strong
 - (c) Only argument (I) is strong
 - (d) neither (I) nor (II) is strong

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (b) : According to the assumption, it is clear that arguments I and II follows.

41. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should all criminals be given severe punishments?

Arguments:

1. Yes, it will induce fear in criminals and crime would reduce greatly.
 2. No, human life is precious and criminals should also be given a chance to improve.
- (a) Only argument 1 is strong
 - (b) Both arguments 1 and 2 are strong
 - (c) Neither argument 1 nor 2 is strong
 - (d) Only argument 2 is strong

RRB NTPC 19.01.2021 (Shift-II) Stage Ist

Ans. (b) : According to the statement, both arguments 1 and 2 are strong.

42. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should different types of bowlers be included in the Indian cricket team?

Arguments:

- I. Yes, because different types of bowlers play different roles in a team.
 - II. No, because the spectators like seeing fast bowlers.
- (a) Both arguments I and II are strong
 - (b) Only argument I is strong
 - (c) Only argument II is strong
 - (d) Neither arguments I nor II is strong

RRB NTPC 25.01.2021 (Shift-II) Stage Ist

Ans. (b) : According to the statement, only argument I is strong.

43. A question is given followed by two arguments. Decide which of the arguments is/are strong/weak with respect to the question.

Question:

Should the government control the country's news channels?

Arguments:

- P. Yes, News is controlled by the Government in many countries.
 - Q. No, controlling any news its reliability.
- (a) Both arguments P and Q are weak
 - (b) Only argument Q is strong
 - (c) Both arguments P and Q are strong
 - (d) Only arguments P is strong

RRB NTPC 01.03.2021 (Shift-I) Stage Ist

Ans. (b) : According to above question, only argument Q is strong.

Hence, option (b) is correct.

44. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should education at primary level be in mother tongue?

Arguments:

1. Yes, it helps the students to understand the concepts easily.
 2. No, finding tuition teachers in mother tongue is difficult.
- (a) Neither 1 nor 2 is strong.
 - (b) Only 1 is strong
 - (c) Both 1 and 2 are strong
 - (d) Only 2 is strong

RRB NTPC 14.03.2021 (Shift-II) Stage Ist



Ans. (b) : Providing education by mother tongue at primary level, it helps the student to understand the concept easily.
Therefore, only argument 1 is strong.

45. A question is given, followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should electronic gadgets be allowed in an examination hall?

Arguments :

- I. No, it is easy to cheat with their help in an examination.
 - II. Yes, electronic gadgets are costly and it is not safe to leave them outside the examination hall
- (a) Only argument II is strong.
 - (b) Neither argument I nor II is strong.
 - (c) Both argument I and II are strong.
 - (d) Only argument I is strong.

RRB NTPC 22.01.2021 (Shift-I) Stage Ist

Ans. (d) : Electronics gadgets should not be allowed in the examination hall as they are used for cheating in the examination. Hence, only arguments I is strong.

46. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question :

Should there be no uniform for school children like college students?

Arguments :

- I. Yes, students should be given freedom to wear the clothes of their choice.
 - II. No, Uniform helps to create discipline and equality among students.
- (a) Only argument II is strong
 - (b) Neither I nor II is strong
 - (c) Both the arguments are strong
 - (d) Only argument I is strong

RRB NTPC 27.01.2021 (Shift-II) Stage Ist

Ans. (c) : It is clear from the above question, both the arguments are strong.

47. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

1. Should private schools be banned in India?
Arguments:

1. Yes, they are the reason for commercialisation of education.
 2. No, because the rich people cannot send their child to government schools.
- (a) Only argument 2 is strong.
 - (b) Both arguments 1 and 2 are strong.
 - (c) Only argument 1 is strong.
 - (d) Neither argument 1 nor 2 is strong.

RRB NTPC 28.01.2021 (Shift-I) Stage Ist

Ans. (c) : Only argument 1 is strong. So, option (c) is correct

48. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should plastic bags be banned in India?

Arguments

- I. Yes, it is one of the sources of pollution and causes many diseases
 - II. No, other alternatives of plastic may not be that colourful and attractive
- (a) Only I is strong
 - (b) None is strong
 - (c) Both arguments are strong
 - (d) Only II is strong

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Ans. (a) : Yes, plastic bags should be banned in India because it is one of the source of pollution and it causes many diseases. So, only argument I is strong.

49. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question

Should vegetarian food be banned in India?

Arguments :

- I. No, it is cheap source of protein and other minerals and a lot of people can afford it
 - II. No, it will violate people's freedom.
- (a) Both are strong
 - (b) Only I is strong
 - (c) Only argument II is strong
 - (d) None is strong

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Ans. (a) : Banning vegetarian food in India would violate the freedom of the people and it is a cheap source of protein and other minerals and many people can buy it. So, both the arguments are strong.

50. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should Hollywood movies be banned in India because they corrupt the values of children and youth in India?

Arguments:

- (i) No, they make them familiar with different cultures and different values
 - (ii) Yes, Hollywood movies decrease the viewership of Bollywood movies
- (a) None of the arguments is strong
 - (b) Both the arguments are strong
 - (c) Only argument (ii) is strong
 - (d) Only argument (i) is strong

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (d) : Only argument (i) substantiate because Hollywood movies introduce children and young people to different cultures and different values. Hence, Hollywood movies should not be banned in India.

51. A question is given followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

Question:

Should the government encourage young entrepreneurs?

Arguments:

- I. Yes, they will reduce the burden of unemployment.



II. Yes, they will contribute to the development of the country.

- (a) Both arguments I and II are strong.
- (b) Neither argument I nor II is strong.
- (c) Only argument I is strong.
- (d) Only argument II is strong.

RRB NTPC 09.02.2021 (Shift-II) Stage Ist

Ans. (a) : The given question is satisfied by both arguments I and II. Because on encouraging the youth, they will arrange employment which will contribute to the development of the country.

Type-3 : Problems based on statement and Course of Action

52. Read the given statement and courses of action carefully and decide which of the courses of action logically follow(s) from the statement.

Statement:

If none of the employee submit their work report by tomorrow, then the monthly project will be in a crisis.

Courses of action :

- i. The date of submission of work report must be extended.
 - ii. Some employees must speed up and submit their work report by tomorrow.
 - iii. The cause of late submission of work report by most employees must be figured out and proper counter-measures must be taken.
- (a) Only actions (ii) and (iii) follow
 - (b) All actions (i), (ii) and (iii) follow
 - (c) Only actions (i) and (ii) follow
 - (d) Only actions (iii) follow

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

Ans. (a) : According to question following action are required.
Some employees must speed up and submit their work report by tomorrow.
The cause of late submission of work report by most employees must be figured out and proper counter measures must be taken.

53. Read the given statement and courses of action carefully and decide which of the courses of action logically follow(s) from the statement.

Statement

The weather bureau has recently forecasted next week's weather of Kashmir in which it said that there is going to be a heavy snowfall for the whole week.

Courses of Action

- I. The weather bureau should propagate the information throughout Kashmir through various platforms
 - II. The civic bodies must make arrangements to remove snow from roads
 - III. The news must be stopped from spreading outside the state
- (a) Only action (I) and (II) follow
 - (b) All the actions (I), (II) and (III) follow
 - (c) Only action (III) follows
 - (d) Only action (II) and (III) follow

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Ans. (a) : According to the statement as Kashmir is going to face snowfall within a week. And it should be propagated throughout Kashmir through various platforms. The civic bodies must make arrangements to remove snow from the roads. And it should be informed to another states so that the tourists may be well prepared. Hence only (i) and (ii) course of actions follow the statement.

54. Read the given statement and courses of action carefully and decide which of the courses of action logically follow(s) from the statement.

Statement:

Tonight, if I knead the dough, along with yeast and sugar, for my doughnuts, I will be able to bake and serve them fresh to my guest tomorrow evening.

Courses of Action:

- (i) I must make arrangements to prevent the dough from getting spoilt and give good baking results.
 - (ii) I must cancel on my guest for tomorrow.
 - (iii) I must follow my doughnut recipe properly and bake them at the right temperature.
- (a) Both (i) and (ii) follow
 - (b) Only (iii) follows
 - (c) Both (i) and (iii) follow
 - (d) All (i), (ii) and (iii) follow

RRB NTPC 23.02.2021 (Shift-I) Stage Ist

Ans. (c) According to the given statement action (i) and (iii) rationally follow the statement. Hence, option (c) will be correct.

55. Read the given statement and possible courses of action carefully and decide which course (s) of action logically follow (s) from the statement:

Statement:-

The people who were rehabilitated due to the construction of government aluminium mines are protesting the poor living conditions of their new habitat

Possible courses of action:-

- A. The government must send a team to these people to inquire about their complaints
 - B. The new habitat of these people must be inspected for healthy & safe living conditions
- (a) Both action A & B follow
 - (b) Only action A follows
 - (c) Neither action A nor B follows
 - (d) Only action B follows

RRB NTPC 01.04.2021 (Shift-II) Stage Ist

Ans. (a) : It is clear from the statement that both the possible action follow.
Hence, option (a) will be correct.

56. Read the given statement and possible course of action carefully and decide which course (s) of action logically follows (s) from the statement

Statement:

Country XYZ has for more imports of goods than exports

Possible courses of action:

- A. The government should explore the resources of the country and employ them for export



- B. The government should minimise the country's imports by launching schemes and actions to produce those items imported in the country itself.
- Only action B follows
 - Only action A follows
 - Neither action A nor B follows
 - Both action A and B follow

RRB NTPC 01.04.2021 (Shift-II) Stage Ist

Ans. (d) : From above it is clear that both action follow the statement.

Hence, option (d) is correct.

57. Read the given statement and possible courses of action carefully and decide which of the courses of action logically follows from the statement.

Statement:

Rahul has a deadline for a project in just two days and he has not yet started working on his project based on the following course of action, select the correct one.

Courses of action:

- He must immediately read a book on time management to avoid such problems in the future.
 - He must manage his time efficiently and starts his project without delay.
 - He must plan a layout of his project first and then starts following that layout.
- Only (ii) is correct
 - Only (i) is correct
 - Only (i) and (ii) are correct
 - Only (ii) and (iii) are correct

RRB NTPC 22.02.2021 (Shift-I) Stage Ist

Ans. (d) : There are only two days left for Rahul's project to end, and he hasn't started work on it yet. Thus conclusion (ii) and conclusion (iii) will follow the given statement.

58. Read the given statement and possible courses of action carefully and decide which of the courses of action logically follows from the statement.

Statement:

If any of the faculty of sociology or social work sends his/her students to the inter-college debate, the college will definitely get some prizes.

Courses of Action:

- The management must make sure that either of the two faculties of sociology or social work makes his/her students participate in the debate.
 - The management must allow only the students of faculty of sociology and social work to take part in the debate.
 - Students from sociology or social work must be encouraged to participate in inter-collegiate debates.
- All the actions, (i), (ii) and (iii) follows
 - Only action (i) and (iii) follows
 - Only action (i) and (ii) follows
 - Only action (ii) follows

RRB NTPC 04.03.2021 (Shift-II) Stage Ist

Ans. (b) : Only action (i) and (iii) follows.

59. Given below is a statement followed by two courses of actions. Assuming everything in the statement to be true, irrespective of the commonly known facts, decide which of the two suggested course(s) of action logically follow for ensuring?

Statement : There is a shortage of water in Delhi during summers.

Course of action 1: There should be more water conservation projects initiated by the government of Delhi.

Course of action 2: The movement should encourage rain water harvesting in all new and existing residential complexes.

- Only course of action 2 follows
- Neither course of action 1 nor course of action 2 follows
- Both course of action 1 and course of action 2 follows
- Only course of action 1 follows

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (c) : It is clear from the above statement that both course of action 1 and course of action 2 follows.

60. Read the given statement and courses of action carefully and decide which of the courses of action logically follow(s) from the statement.

Statement:

The recent survey has revealed that the construction activity for the metro in the city has increased air-pollution in the short-term by 30%.

Proceeding:

- The construction of the metro should be put to a halt in the city.
 - The government must seek over-the counter measures like screening the whole construction site to check the spread of air pollution caused by the construction of the metro.
 - Dust from construction activity should be controlled by using fine water sprays to dampen down the site.
- Only 1 and 2 follow
 - Only 2 and 3 follow
 - Only 3 follows
 - Only 1 and 3 follow

RRB NTPC 09.03.2021 (Shift-II) Stage Ist

Ans. (c) : It is clear from statement that only proceedings 2 and 3 follows.

61. Read the given statement and courses of action carefully and decide which of the courses of action logically follow(s) from the statement.

Statement:

If Ritu studies effectively for 6h daily from today, she will be able to pass the exam which is due after 10 days.

Courses of Action:

- Ritu must effectively study Science for 6h daily for 10 days to be able to prepare enough to pass her exam.
- Ritu must plan her time ahead of preparation and give sufficient time to every subject.
- Ritu must not play during these 10 days which are crucial for her for preparation of exams.



- (a) All the actions (i), (ii) and (iii) follow.
- (b) Only action (ii) and (iii) follow.
- (c) Only action (i) and (ii) follow.
- (d) Only action (ii) follows.

RRB NTPC 11.03.2021 (Shift-I) Stage Ist

Ans. (d) : The course of action (i) and (iii) don't follow the statements logically, because studying of science and forbidding of play is not mentioned in statements. Hence, course of action (ii) follows the statement logically.

- 62. Read the given statement and courses of action carefully and decide which of the courses of action logically follow(s) from the statement.**

Statement:

Many cases of children's death are reported from AES (Acute Encephalitis Syndrome) in Muzaffarpur district of Bihar.

Courses of Action:

- I. The question should be raised in legislative assembly and health minister's resignation should be demanded with immediate effect.
- II. A team of doctors should be rushed to the affected areas.

- (a) Only II follows.
- (b) Either I or II follows.
- (c) Neither I nor II follows.
- (d) Only I follows.

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (a) : According to the statement only action II follows.

- 63. Read the given statement and the courses of action carefully and decide which of the courses of action logically follow(s) from the statement.**

Statement: There are chances that the dinner consumed by the students today was contaminated by typhoid causing bacteria.

Courses of action:

- (1) Some medical help must be immediately sought for the students.
 - (2) Students must be asked to prepare well for exams.
 - (3) The remainder of dinner (if any) must be thrown away.
- (a) Only action (i) and (ii) follow.
 - (b) Only action (iii) follow
 - (c) All the actions (i), (ii) and (iii) follow
 - (d) Only action (i) and (iii) follow

RRB NTPC 08.03.2021 (Shift-I) Stage Ist

Ans. (d) : It is clear from the above statement that action (i) and (iii) follow. Hence, option (d) is true.

Type-4 : Problems Based on Cause and Effect

- 64. Read the given statements (Assertion and Reason) carefully and select the most appropriate option with respect to them.**

Assertion (A) : Greenland is entirely green

Reason (R) : Polar regions have snow round the year

- (a) Both A and R are false
- (b) Both A and R are true but R is not the correct explanation of A

- (c) Both A and R are true and R is the correct explanation of A
- (d) A is false but R is true

RRB NTPC 20.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the statement, it is clear that statement A is false but R is true.

- 65. Read the given statements and select the option that is the most appropriate explanation for them. Statement:**

- A. The prices of motorcycles have increased considerably during the past 2 years
- B. The prices of XYZ laptops have decreased considerably during the past 2 months

- (a) Both the statements are independent causes
- (b) Both the statements are effects of independent causes
- (c) Statement B is the cause and statement A is its effect
- (d) Statement A is the cause and statement B is its effect

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (b) : There has been significant increase in the price of motor cycles in last two years.

There has been significant decrease in the price of XYZ laptops in last two months.

Therefore, both the statements are effects of independent causes.

- 66. Read the given events and select the option that is the most appropriate explanation for them.**

Events:

- A. Suraj died on his way to office
- B. Suraj had been feeling depressed since month regarding the loss of his spouse

- (a) Event A is the effect and event B is its immediate and principal cause
- (b) Event A is an effect but event B is not its immediate and principal cause
- (c) Event A is the immediate and principal cause and event B is its effect
- (d) Event B is an effect but event A is not its immediate and principal cause

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (a) : Event A is the effect and event B is its immediate and principal cause because Suraj died on his way to office this is not a immediate cause.

- 67. Select the option that holds true regarding the given statements.**

Statements:

- 1. The soldiers loaded their guns and marched towards the battle ground
- 2. The families of soldiers are praying for the safety of the soldiers who are in the battle ground

- (a) Statement 1 is the effect and statement 2 is its immediate and principal cause
- (b) Statement 2 is the effect and statement 1 is its immediate and principal cause
- (c) Both the statements are independent of each other
- (d) Both the statements are effects of some independent causes

RRB NTPC 11.02.2021 (Shift-I) Stage Ist



Ans. (b) : It is clear from the above statement that statement 2 is the effect and statement 1 is the immediate and main cause.

68. Read the given statements and select the most appropriate explanation for them from the options.

Statements:

I. There is possibility of heavy rainfall this monsoon in the northern part of India.

II. The farmers are not supplying potatoes in the market.

- (a) Both the statements (I) and (II) are not related
- (b) Statement (I) is the cause and statement (II) is effect
- (c) Statement (II) is the cause and statement (I) is the effect
- (d) Both the statements (I) and (II) are effects of a common cause

RRB NTPC 27.03.2021 (Shift-II) Stage Ist

Ans. (a) : It is clear from the statement that both the statement (I) and (II) are not related. Hence option (a) is correct.

69. Without assuming anything beyond the information given, select the correct nature of relationship between the two statements A and B.

Statements :

A. Mango production has reduced by half as compared to last year.

B. The price of mangoes in the market has risen up.

- (a) Both statements A and B are independent causes.
- (b) Statement B is the cause and statement A is its effect.
- (c) Statement A is the cause and statement B is its effect.
- (d) Both statements A and B are effects of independent causes.

RRB NTPC 05.04.2021 (Shift-I) Stage Ist

Ans. (c) : It is clear from the given statement that statement 'A' is a cause and statement 'B' is its effect.

70. Without assuming anything beyond the information given, select the correct nature of relationship between the two events A and B.

Events:

A. Tabu, accidentally, killed Nikhil during self-defense.

B. Nikhil was approaching Tabu to kill her.

- (a) Event A is an effect but event B is not its immediate and principal cause
- (b) Event B is an effect but event A is not its immediate and principal cause.
- (c) Event A is the effect and event B is its immediate and principal cause.
- (d) Event A is the immediate and principal cause and event B is its effect.

RRB NTPC 05.04.2021 (Shift-I) Stage Ist

Ans. (c) : It is clear that event 'A' is the effect and event B is its immediate and main cause.

71. Read the statement carefully and state which of the following conclusions are true with respect to the statements.

Statements :

I. Last Sunday, 15th of the month, there was a rush of tourist at Taj Mahal.

II. The authorities have decided to keep the Taj Mahal closed for repairs from the 17th of the month.

- (a) Statement I and statement II are effects of a common cause.
- (b) Statement I and statement II are different reasons
- (c) Statement II is the cause and statement I is its effect
- (d) Statement I is the cause and statement II is its effect

RRB NTPC 31.01.2021 (Shift-I) Stage Ist

Ans. (c) : It is clear from the statement that the authorities have decided to close the Taj Mahal to repair from 17th of the month. For this cause there was a rush of tourists at Taj Mahal last Sunday the 15th of the month. Hence the statement II is the cause and statement I is its effect.

72. Without considering anything other than the given information, select the correct relationship between incidents A and B.

Incident A : Phillips recently joined a gym.

Incident B : Phillips now looks a lot tighter than ever.

- (a) B is the effect but A can never be its immediate and major cause.
- (b) B is the effect and A is its immediate and major cause.
- (c) A is effect and B is its immediate and major cause.
- (d) A is the effect but B is not its immediate and major cause.

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (b) : It is clear from the statement that B is the effect and A is its immediate and major cause.

73. Without assuming anything beyond the given information, select the correct nature of relationship between the two statements.

Statements:

I. Country X has started a war with country Y during the start of the years.

II. Country Y has lost the lives of so many soldiers over the years.

- (a) Statement II is the effect and statement I is its immediate and principal cause
- (b) Both the statements are the effects of some common cause
- (c) Statement I is the effect and Statement II is its immediate and principal cause
- (d) Both the statements are the effects of some independent causes

RRB NTPC 08.04.2021 (Shift-II) Stage Ist

Ans. (a) : In the beginning of year 'X' has started battle against 'Y' So, it will leave a dangerous impact on lives of soldiers.

74. Without assuming anything beyond the information given, select the correct nature of relationship between the two events A and B.

Event A: Ronit went to the dentist.

Event B: Ronit had a toothache.



- (a) Event A is the effect and event B is its immediate and principal cause
- (b) Event B is the effect but event A is not its immediate and principal cause
- (c) Event A is the effect but event B is not its immediate and principal cause
- (d) Event B is the effect and event A is its immediate and principal cause

RRB NTPC 08.02.2021 (Shift-II) Stage Ist

Ans. (a) : Ronit went to the dentist because of pain in his tooth. Hence, event B is its immediate and principal cause and event A is its effect.

75. Consider the following two events and select the correct option.

Event A : Meghna is going to get a prize and a medal today.

Events B : Meghna won the race competition today.

- (a) Event A is the principal and immediate cause and B is its effect
- (b) Event A and B are effects of independent causes
- (c) Event B is the principal and immediate cause and A is its effect.
- (d) Event A is the effect but Event B is not its immediate and principal cause

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (c) : Today, Meghna won the race competition so that she will get a prize and a medal.

Hence, Event B is the principal and immediate cause and Event A is its effect.

Type-5 : Problems Based on Assertion and Reason

76. Read the given statements, labelled Assertion (A) and Reason (R), and select the most appropriate options with respect to them.

Statements:

'A': Carbon dioxide is not always a pollutant

'R': Plants require carbon monoxide for growth that they get from carbon dioxide

- (a) Both statements A and R are true but R is not the correct explanation of A
- (b) Both statements A and R are true but R is the correct explanation of A
- (c) Both statements A and R are false
- (d) Statement A is true but statement R is false

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (d) : According to the given statement, statement A is true but statement R is false.

77. Read the given statements, labelled Assertion (A) and Reason (R) and select the most appropriate option with respect to them.

A. Deforestation is undesirable because of its heavy impact on soil erosion.

R. Erosion of soil from the surface due to heavy and intense precipitation is accelerated due to the cutting of trees on a mass scale.

- (a) Both statements 'A' and 'R' are true but 'R' is the correct explanation of 'A'
- (b) Statement 'A' is true but statement 'R' is false
- (c) Both statements 'A' and 'R' are false
- (d) Both statements 'A' and 'R' are true but 'R' is not the correct explanation of 'A'

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (a) : Statement 'A' and 'R' both are true and 'R' is the correct explanation of 'A'.

78. Read the given assertion (A) and reason (R) carefully and choose the option that accurately describes the relationship between them.

Assertion:-

A; Most Cars in India are right hand drive cars i.e. the driver is seated on the right side of the car.

Reason:-

R; Indian Car companies do not have the knowledge or capacity to make Left hand drive cars.

- (a) Both A and R is true and R is the correct explanation of A.
- (b) A is true but R is false.
- (c) Both A and R is true but R is not the correct explanation of A
- (d) Both A and R is false

RRB NTPC 12.02.2021 (Shift-I) Stage Ist

Ans. (b) : Most of cars in India are right hand drive because in India rule of driving car is right hand drive due to which Indian car companies make right hand drive car. So assertion A is true but reason R is false.

79. Select an option which is true regarding the following two statements labelled Assertion (A) and Reason (R).

A. A satellite is not a planet.

R. Planets do not revolve around other planets.

- (a) Both 'A' and 'R' are true and 'R' is not the correct explanation of 'A'.
- (b) Both 'A' and 'R' are true and 'R' is the correct explanation of 'A'.
- (c) 'A' is true but 'R' is false.
- (d) Both 'A' and 'R' are false.

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (a) : Because A satellite is not a planet and the planets do not revolve around the other planet hence both 'A' and 'R' are true but 'R' is not the correct explanation of 'A'.

80. Select an option which is true regarding the following two statements labelled Assertion (A) and Reason (R).

A. Some people have darker skin colour.

R. Some people have blood of darker colour.

- (a) 'A' is true but 'R' is false.
- (b) Both 'A' and 'R' are false.
- (c) Both 'A' and 'R' are true but 'R' is not the correct explanation of 'A'.
- (d) Both 'A' and 'R' are true and 'R' is the correct explanation of 'A'.

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (c) : Both 'A' and 'R' are correct but R is not the correct explanation of 'A'.



15.

Data Sufficiency

Type-1 : Data Sufficiency Based on Sequence

1. A question and three statements labelled (I), (II) and (III) are given, You have to decide which statement(s) is/are sufficient to answer the question.

Question: Who is the shortest among A, B, C, D and E?

Statement :

- I. A is taller than E but shorter than D.
 II. B is shorter than C but taller than E.
 III. D is taller than C and A is taller than B.

- (a) Statements I, II and III are insufficient
 (b) Statements I and II together are sufficient.
 (c) Statements I and III together are sufficient
 (d) Statements I, II and III together are sufficient

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (d) : From statement-I,
 $D > A > E$

From statement-II,
 $C > B > E$

From statement-III,
 $D > C$
 $A > B$

From statement (I), (II) and (III),
 $D > C > A > B > E$

It is clear that E is the shortest.

Hence, the statement I, II and III together are sufficient to answer the given question.

2. **Question:**

A, B, C, D and E are sitting in a Circle and facing toward each other. What about E's position.

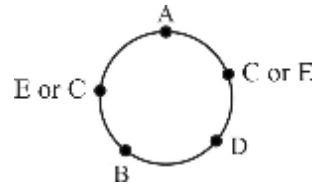
Statement:

- I. The person sitting to the left of B and to the right of A is same.
 II. D is sitting to the right of B.
 III. A is sitting between E and C.

- (a) Only statement I and II are sufficient.
 (b) Only statement I and III are sufficient.
 (c) Only statement III is sufficient.
 (d) Data are insufficient.

RRB NTPC 09.04.2016 Shift : 3

Ans. (d) : According to the given statement, seating arrangement is as follow,



It is clear that position of E and C is not being determined, Hence data are insufficient to answer the question.

3. **Question:**

Gautam is at eighteen place in a class. From the end what is his rank?

Statement:

- I. There are 47 students in the class.
 II. Jegan who is 10th place in the same class. He is at 38th place from the end.

- (a) Statement 1 alone is sufficient.
 (b) Both statement are needed simultaneously.
 (c) Statement 2 alone is sufficient.
 (d) Either statement 1 or II is sufficient.

RRB NTPC 17.01.2017 Shift-1

Ans. (d) :

- I. There are 47 students in a class. Gautam is ranked 18th in the same class. So Gautam's place from the end = $47 - 17 = 30$ th.

- II. Jegan who is 10th in the same class is 38th from the end. If Gautam is in the 18th position in the same class, then from the end, his rank (place) = $(38 + 10) - 18 = 30$ th place/rank

Hence, either statement I or statement II is sufficient to answer the question.

4. A question is given followed by two statements labelled I and II, Identify which of the statements is/are sufficient to answer the question.

Question:

How is Damini related to Bhola?

Statements:

- I. Tika has only one son, Bhola and only one daughter Kamala.
 II. Damini is Roma's son's wife. Kamala is the only daughter of Roma. Meghan is the daughter of Bhola.

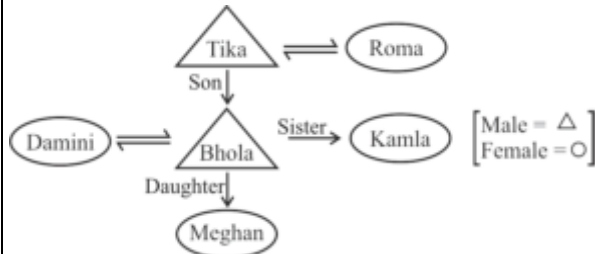
- (a) Statement I alone is sufficient, while Statement II alone is not sufficient to answer the question.
 (b) Both Statements I and II together are sufficient to answer the question.



- (c) Statement II alone is sufficient, while Statement I alone is not sufficient to answer the question.
- (d) Statements I and II together are not sufficient to answer the question.

RRB NTPC (Stage-II) –12/06/2022 Shift-I

Ans. (b) : On making a diagram according to the statements,



Hence, it is clear from above diagram that Damini is wife of Bhola. So both statements I and II together are sufficient to answer the question.

5. A question is given, followed by three statements labeled I, II and III. Identify which of the statements is are sufficient to answer the question.

Question:

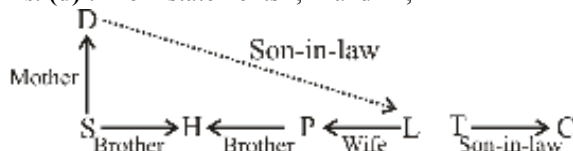
How is P related to C

Statements:

- I: H is the only brother of S and P.**
- II. P is the wife of L, who is the son-in-law of D.**
- III. D is the mother of S and T is the son-in-law of C.**
- (a) Data in statements II and III together are sufficient to answer the question.
- (b) Data in statements I, II and III together are sufficient to answer the question.
- (c) Data in statements I alone is sufficient to answer the question.
- (d) Data in statement I, II and III together are not sufficient to answer the question.

RRB NTPC (Stage-II) –14/06/2022 (Shift-I)

Ans. (d) : From statements I, II and III,



Hence, Data in statement I, II and III together are not sufficient to answer the question.

6. You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

Question:

Who is father of M?

Statements:

I. P and Q are brothers.

II. Q's wife is the sister of M's wife.

- (a) Statement I alone is sufficient.
- (b) Statement I and II both are necessary
- (c) Statement II alone is sufficient
- (d) Statement I and II both are not sufficient.

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (d) : From the statements I and II–



Thus, statement I and II both are not sufficient to answer the given question.

7. **Question:**

How many brother does Dinesh have?

Statement:

(I) Dinesh's mother has three children.

(II) Dinesh has two sister.

- (a) Statement II is sufficient in itself
- (b) Both statements are necessary to answer the question
- (c) Only statement I is sufficient
- (d) Either statement I or statement II is sufficient in itself

RRB NTPC 19.01.2017 Shift : 1

Ans : (b) According to the statement, Dinesh's mother has three children and according to statement II, Dinesh has two sisters.

Hence, when both the statements are viewed together it is clear that Dinesh has no brother. So, both the statements are required to answer the question.

8. A questions is given, followed by two statements labeled I and II. Decide which of the statements is/are sufficient/necessary to answer the question and select the correct answer.

Question:

Who is the shortest among Shamita, Tanya and Rekha?

Statements :

I. Shamita is taller than Rekha. Rekha is shorter than Tanya

II. Rekha is shorter than Surbhi. Surbhi is taller than Shamita. Tanya is shorter than Surbhi.

- (a) Statement I alone is sufficient to answer the question, whereas statement II alone is not sufficient to answer the question.
- (b) Statement II alone sufficient to answer the question, whereas statement I alone is not sufficient to answer the question.
- (c) Both statement I and II together are not sufficient to answer the question.
- (d) Both statement I and II together are necessary do answer the question.
- (a) B (b) c
- (c) A (d) D

RRB NTPC 04.01.2021 (Shift-II) Stage Ist



Ans. (c) : From Statement I

Shamita > Rekha

Tanya > Rekha

Hence Rekha is the Shortest.

From Statement 2,

Surbhi > Rekha

Surbhi > Shamita

Surbhi > Tanya

Statement I alone is sufficient to answer the question, whereas statement II alone is not sufficient to answer the question.

Hence option (c) is the required answer.

9. A question is given, followed by two statements labeled I and II. Identify whole of the statement is/are sufficient to answer the question.

Question:

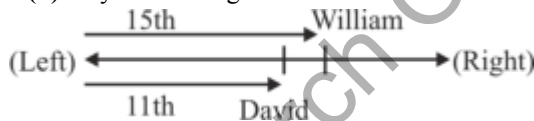
How many soldiers are there between William and David in a row of soldiers, all facing north?

Statements:

- (I) William is 15th from the extreme left end of the row.
- (II) David is exactly in the middle of the row and there are ten soldiers to his right.
- (a) Both I and II together are not sufficient.
- (b) Both I and II together are sufficient.
- (c) II alone is sufficient, while I alone is not sufficient.
- (d) I alone is sufficient, while II alone is not sufficient.

RRB NTPC 17.01.2017 Shift-1

Ans. (b) : By Combining statement I and II.



Soldiers are there between William and David.

= William rank from right - David rank from right - 1

= 15 - 11 - 1

= 15 - 12

= 3

So, '3' soldiers are there between William and David. Hence, statements both I and II together are sufficient to find the number of soldiers between William and David.

10. A question is given, followed by three statements labeled I, II, and III. Identify which of the statements is/are sufficient to answer the question.

Question : Who ranked first in the class?

Statements :

- I. Sreja ranked 2nd.
- II. Aman ranked one rank below Sreeja
- III. Rohit ranked better than Aman.

- (a) Statement II alone is sufficient, while statement III alone is not sufficient.
- (b) Each Statement I, II and III alone is sufficient.
- (c) All statement I, II and III together are sufficient.
- (d) Statement I alone is sufficient, while statement II alone is not sufficient.

RRB NTPC 17.01.2017 Shift-1

Ans. (c) : According to the given statement, the order of position is as follows,

Rohit > Sreja > Aman

It is clear that, Rohit ranked first in the class.

Hence, All statement I, II and III together are sufficient.

Type-2: Data Sufficiency based on Mathematical Operations

11. A question and two statements are given. Identify which of the statements is/are sufficient to answer the question

Question:

Find the area of the equilateral triangle.

Statement:

1. The measure of one of the sides of the triangle side is 7 cm.
2. The perimeter of the triangle is 21 cm.
- (a) Statement 1 is sufficient but statement 2 is not sufficient.
- (b) Both statements 1 and 2 are sufficient independently.
- (c) Statement 2 is sufficient but statement 1 is not sufficient.
- (d) Neither statement 1 nor 2 is sufficient independently.

RRB NTPC 08.01.2021 (Shift-I) Stage Ist

Ans. (b) : ∵ As we know that, all the sides of an equilateral triangle are equal

∴ Perimeter of triangle = 3 × side
= 3 × 7 = 21 cm

∴ Area of equilateral triangle = $\frac{\sqrt{3}}{4} \times \text{side}^2 = \frac{49\sqrt{3}}{4} \text{ cm}^2$

Hence, both statements 1 & 2 are sufficient independently.

12. **Question:**

What is 40% of a number?

Statement:

- I. 25% of that number is 60 less than that number.
- II. 25% of that number is a even number.
- III. 5% of double of that number is 1/10 of that number



- (a) Only statement I is sufficient
 (b) Both II and III are sufficient
 (c) Statement II and Either I or III are sufficient
 (d) Only III is sufficient

RRB NTPC 19.01.2017 Shift : 2

Ans. (a) : Let the number = xAccording to the 'I' statement $x \times \frac{25}{100} = x - 60$

$$\frac{x}{4} = x - 60 \Rightarrow \frac{3x}{4} = 60$$

$$\boxed{x = 80}$$

then, 40% of x = $80 \times \frac{40}{100} = 32$

Hence, only statement I is sufficient.

13. Question:**What is value of 'x'?****Statement:****I. $x + 2y = 6$** **II. $3x + 6y = 18$**

- (a) Statement I is sufficient
 (b) Statement I and II conjunctly are not sufficient
 (c) Both statement I and II together are necessary
 (d) Statement II only is sufficient

RRB NTPC 18.01.2017 Shift : 3

Ans. (b) : $x + 2y = 6$ (i) $3x + 6y = 18$ (ii)

from statement (I),

$$x + 2y = 6$$

$$x = 6 - 2y$$

On, putting value of x in equation (II)

$$3(6 - 2y) + 6y = 18$$

$$18 - 6y + 6y = 18$$

$$-6y + 6y = 18 - 18$$

$$0 = 0$$

From the above explanation it is clear that the value of x and y cannot be obtained.

Hence, statement I and II conjunctly are not sufficient.

14. Question:**What is a two-digit number?****Statement:****I. The difference of number and the number obtained by converting their digits is 9.****II. The sum of the digits is 17.****III. The difference between the data of the tens place and at the unit place is 1. Choose the correct option from the answer.**

- (a) Only statement II is sufficient
 (b) Statement II and III are sufficient
 (c) All three statements are necessary
 (d) Data are insufficient

RRB NTPC 30.03.2016 Shift : 2

Ans. (c) : From statement I,Suppose unit digit is y and tens digit = x then number = $10x + y$ (i)The new number on interchanging the digits = $10y + x$(ii)

From statement III, It is known that ten's digit is greater than unit digit

so $x > y$ or $\boxed{x - y = 1}$

According to the first statement,

From the equation (i) and (ii)

$$10x + y - 10y - x = 9$$

$$9x - 9y = 9$$

$$9(x - y) = 9$$

$$x - y = 1 \text{(iii)}$$

From statement II,

$$x + y = 17 \text{(iv)}$$

On adding equation (iii) & (iv), we have-

$$x - y = 1$$

$$x + y = 17$$

$$2x = 18$$

$$\boxed{x = 9}$$

On putting the value of x in equation (ii), we get-

$$9 - y = 1$$

$$-y = 1 - 9$$

$$\boxed{y = 8}$$

Hence, the two-digit number = $\boxed{98}$

Hence, it is clear that to answer the question all the three statements are necessary.

15. Question is given, followed by two statements labeled I and II. Identify which of the statements is/are sufficient/necessary to answer the question.**Question:****What is the total of five natural even numbers?****Statements:****I. The second number is two times the first number.****II. All the five even numbers are consecutive even number in increasing order.**

- (a) Both the statements together are necessary to answer the question.
 (b) Statement I alone is sufficient to answer the question.
 (c) Statement II alone is sufficient to answer the question.
 (d) Both the statements together are not sufficient to answer the question.

RRB NTPC 08.01.2021 (Shift-I) Stage Ist



Ans. (a) : From statement first (I)-

Let the first number = x

then, second number = $2x$

From statement II -

we get that number will be $x, x + 2, x + 4, x + 6, x + 8$.

By combining I and II.

$$x + 2 = 2x$$

$$x = 2$$

Total of five natural even numbers = $x + x + 2 + x + 4 + x + 6 + x + 8$

$$= 5x + 20$$

$$= 2 \times 5 + 20$$

$$= 30$$

Hence, Both the statement together are necessary to answer the question.

16. A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient to answer the question.

Question:

Who is older Rahul or Vishal?

Statements :

I. Rahul was born in the year 1987 and is 5 years younger than Vishal's sister.

II. Vishal is twice as old as his sister.

- (a) Both the statements together are necessary to answer the question.
 (b) Both the statements together is not sufficient to answer the question
 (c) Statement II alone is sufficient to answer the question.
 (d) Statement I alone is sufficient to answer the question.

RRB NTPC 18.01.2017 Shift : 1

Ans. (a) : Statement (I) : Rahul was born in 1987. Vishal's sister was born in = $1987 - 5 = 1982$

Statement (II) : Vishal's age is twice the age of his sister.

Let Vishal's sister's age be x years

$$\therefore \text{Rahul's age} = x - 5 \text{ years}$$

According to statement II,

$$\text{Vishal's age} = 2x$$

\therefore It is clear from both the statements that Vishal is older than Rahul.

Hence, both the statements together are necessary to answer the question.

17. A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient/necessary to answer the question.

Question:

What will be the total price of 10 chairs, each of which is of the same price?

Statement:

I. One fourth of the price of chair is ₹140

II. The total price of 3 chairs is ₹560 more than the total price of 2 chairs.

- (a) Statement I alone is sufficient, while statement II is not sufficient.
 (b) Either Statement I or Statement II is sufficient.
 (c) Statement II alone is sufficient, while Statement I alone is not sufficient.
 (d) Both Statement I and Statement II are necessary.

RRB NTPC 30.03.2016 Shift : 2

Ans. (b) : Let the cost of 1 chair = ₹ x

\therefore From statement I -

$$\frac{x}{4} = 140$$

$$\Rightarrow x = ₹ 560$$

$$\therefore \text{Costs of 10 chairs} = 560 \times 10 = ₹5600$$

From statement II-

$$3x = 2x + 560$$

$$x = 560$$

$$\therefore \text{Cost of 10 chairs} = 560 \times 10 = ₹5600$$

Hence, Either statement I or statement II is sufficient to answer the question.

Type-3 : Data Sufficiency based on Codes

18. **Question:**

Can you make an overall assessment of current level of the stock market index today?

Statement:

I. Today the stock market index has reached below the lowest level of the last 3 years.

II. During the previous year, the index fluctuated between 30, 360 and 28, 225.

III. The stock market index touched low of 27, 125 in the last 3 years.

Choose the correct option in the following.

- (a) statements I, II and III all are insufficient
 (b) Both statements I and III are sufficient
 (c) Both statements II and III are sufficient
 (d) Both statement I and II are sufficient

RRB NTPC 18.01.2017 Shift : 1

Ans. (b) : Through the statements (I) and (III) the current level of the stock market index can be evaluated overall, so both statements (I) and (III) are sufficient.



16.

Sequence and Sitting Arrangement

Type-1: Sequence Arrangement Based on Row and Alphabet

1. Few students are sitting in a row, facing north. Their position depends on the following conditions:

- B is an immediate neighbour of both G and D.
- H is third to the left of B. H is second to the right of A.
- C is an immediate neighbour of both H and G.
- A and F occupy the extreme ends and F is positioned second to the right of B.

How many students are there?

- (a) 7 (b) 8
(c) 5 (d) 6

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (b) : The sitting arrangement of student is as follows



Hence, there are 8 students in the row.

2. Eight people F, G, N, O, S, T, Y and Z are sitting in a straight line. All of them are facing the North. F sits second from one of the extreme ends of the line. Only three people sit between F and G. N sits second to the right of G. As many people sit to the right of N as to the left of O. Only two people sit between O and S. Y sits at one of the positions to the left of S. G sits at one of the positions to the right of Z. How many people sit to the left of Z?

- (a) Four (b) Three
(c) None (d) Two

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (a) : According to the question,

Eight people F, G, N, O, S, T, Y and Z sitting in a straight line facing the north direction is as follows :



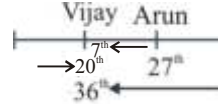
Hence, It is clear from above that 4 people sit to the left of Z.

3. Arun ranks 27th in the class. Vijay is 7 ranks ahead of Arun. Vijay's rank from the last is 36th. How many students are there in the class?

- (a) 56 (b) 51
(c) 61 (d) 55

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,



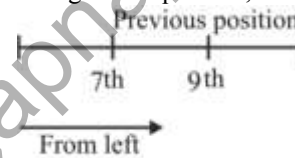
Total numbers of Students = $20 + 36 - 1 = 55$

4. In a row of 16 girls, when Seema was shifted by two places towards the left, she became the 7th from the left end. What was her earlier position from the right end of the row?

- (a) 8th (b) 9th
(c) 7th (d) 10th

RRB NTPC 20.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,



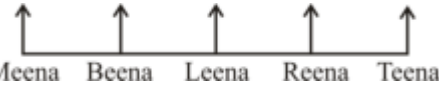
Previous position of Seema from right side = $16 - 9 + 1$
 $= 17 - 9$
 $= 8^{\text{th}}$

5. Five girls Beena, Leena, Meena, Reena and Teena are playing game. They are sitting in a row facing towards the north. Meena is sitting at the west end and Teena is sitting at the east end. Leena and Reena are sitting together next to each other. Beena is sitting to the left of Leena and to the right of Meena. Who is sitting second from the east end?

- (a) Beena (b) Reena
(c) Teena (d) Leena

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (b) : According to the question, the sitting arrangement is as follows :



It is clear that Reena is sitting second from the left end.

6. The positions of Deepti and Mohan in a row are 14th from the left and 9th from the right respectively. If they interchange their places, then Mohan will be 21st from the right, find the position of Deepti from the left now and the total number of persons in the row.

- (a) 33, 27 (b) 26, 34
(c) 34, 26 (d) 24, 38

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (b) : Position of Deepti from the left = 14^{th}

Position of Mohan from the right = 9^{th}

After changing positions,

Position of Mohan from the right = 21^{st}

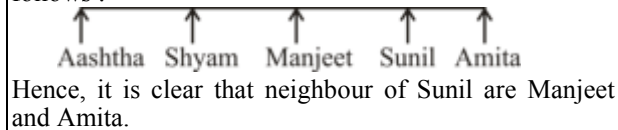


Total number of people in row = $14 + 21 - 1 = 34$
 Position of Deepti from the left = $34 - 9 + 1 = 26$
 Hence, position of Deepti & No. of people in row is 26 & 34 respectively.

7. Five students are sitting in a row. Sunil is neither a neighbour of Aashtha nor Shyam, Aashtha is a neighbour of Shyam and she is on the left end of the row. Sunil is a neighbour of Manjeet, Manjeet is exactly in the middle of the row, and is not a neighbour of Amita. Who are the neighbours of Sunil ?
- Aashtha and Manjeet
 - Shyam and Amita
 - Manjeet and Amita
 - Shyam and Manjeet

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (c) : The sitting arrangement of students will be follows :



8. In a row of students, one student is tenth from either end of the row. How many students are there in the row?
- 22
 - 16
 - 20
 - 19

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (d) : Total no. of students in a row = $L + R - 1$
 $= 10 + 10 - 1 = 19$

9. Cariappa, Kargil, Katari, Manekshaw and Subrto are five different sadans in a sainik school. Kargil is to the right of Subrto and Katari is the left of Cariappa and rights of Kargil. Subrto is to the right of Manekshaw. Which sadan is in the middle?
- Cariappa
 - Kargil
 - Subrto
 - Katari

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question, series of sadan are following,
 Manekshaw → Subrto → Kargil → Katari → Cariappa
 Hence, Kargil Sadan is in the Middle.

10. In a class, Renu's rank is 15th from the bottom. If there are 30 students in the class, then what is her rank from the top:
- 15th
 - 17th
 - 16th
 - 14th

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (c) : Total number of students =
 Right (From start / Top) position + Left (from bottom/last) position - 1
 $\Rightarrow 30 = R + 15 - 1$
 $\Rightarrow 31 = R + 15$
 $\Rightarrow R = 16$
 Hence, Renu's rank from top is 16th.

11. Geeta ranks 8th from the top in the group of 40 students. What will be her rank from the bottom?

- 31
- 33
- 34
- 32

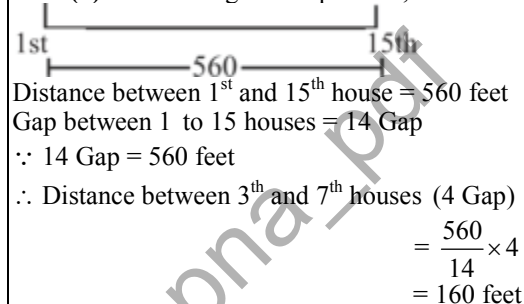
RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (b) : Rank of Geeta from the bottom = $40 - 8 + 1 = 33$

12. Fifteen houses are located in a row such that the distance between two adjacent houses is equal. If the distance between the 1st and 15th house is 560 ft., then what is the distance between the 3rd and 7th house?
- 160 ft.
 - 200 ft.
 - 130 ft.
 - 149.33 ft.

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

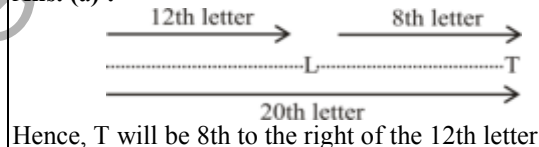
Ans. (a) : According to the question,



13. Which of the following letters is 8th to the right of the 12th letter in the English alphabets?
- T
 - U
 - D
 - S

RRB NTPC 08.02.2021 (Shift-I) Stage Ist

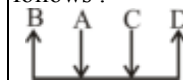
Ans. (a) :



14. A to D are sitting in a row not necessarily in the same order. Two of them are facing in one direction and the other two are facing in the opposite direction. B and D are the extremes and face the North. A is facing the same direction as his neighbour on his left. D is to the left of A. What is the order of seating from left to right?
- DACB
 - BCAD
 - DCAB
 - BACD

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (d) : The seating order of the persons will be as follows :



Hence, the order of seating from left to right is BACD

15. Five students A, B, C, D & E are sitting in a row facing north. C is sitting exactly in the middle of the row. E is sitting to the immediate right & immediate left of D & C. B is not sitting at the extreme end. Who is sitting third to the left of A?
- C
 - E
 - B
 - D

RRB NTPC 01.04.2021 (Shift-II) Stage Ist



Ans. (b) As per question,



From above sequence of sitting, it is clear that E is sitting left on 3rd position from A.

16. There are 35 street lamps in a row on a national highway. All are lit except one. The faulty lamp is 15th from the right end. What is the position of the faulty lamp from the left end?

(a) 21st (b) 22nd
(c) 20th (d) 23rd

RRB NTPC 02.02.2021 (Shift-I) Stage Ist

Ans. (a) : Position of Lamp from left = $35 - 15 + 1$
= 21

17. 24 students are sitting in a row. F is 17th from the right end and R is 19th from the left end. How many students are between F and R?

(a) 11 (b) 9
(c) 3 (d) 10

RRB NTPC 23.07.2021 (Shift-I) Stage Ist

Ans. (d) : Given,

Total number of students = 24

Place of R from left side = 19th

Place of F from left side = $(24 - 17) + 1$
= 8th

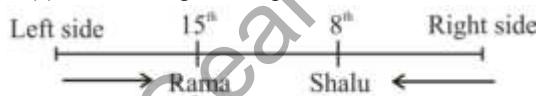
Number of students sitting between F and R = $(19 - 8) - 1$
= 10

18. A row of girls is standing facing north. Rama is 15th from the left and Shalu is 8th from the right. If Shalu is shifted to the left by 5th position, then she will be immediate to the left of Rama. How many total girls are standing in the row?

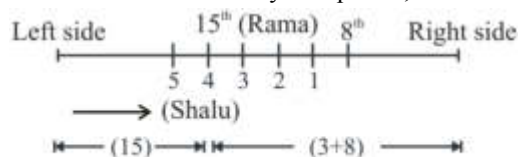
(a) 28 (b) 27
(c) 26 (d) 25

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (c) : According to the question,



If Shalu is shifted to the left by five places,



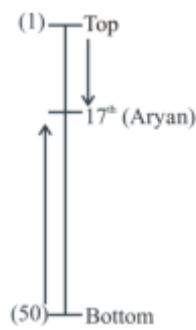
Hence, the total number of girls in the row
= $15 + 3 + 8 = 26$

19. In the class of 50 students, Aryan is 17th from top and its position from bottom will be.

(a) 32th (b) 18th
(c) 34th (d) 33th

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (c) : According to the question,



Aryan's rank from the bottom = $50 - 17 + 1 = 34^{\text{th}}$

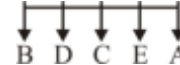
20. Five boys A, B, C, D and E and five girls P, Q, R, S and T are sitting in two rows opposite to each other such that the boys are in one row and the girls are in one row. C is sitting in the center and A is sitting on his left. D is sitting between B and C. T who is to the left of S is sitting opposite of B who is two seats away from E. P is sitting between Q and R. Who is sitting opposite of E.

(a) R (b) P
(c) Q (d) S

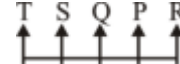
RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (b) : According to the question, the sitting arrangement is as follows :

Row of Boys –



Row of Girls –



Hence, it is clear that P is sitting opposite of E.

21. In a row of 12 students, when Karan was shifted by three places towards the right, he became fifth from the right end. What was his earlier position from the left end?

(a) Seventh (b) Fifth
(c) Sixth (d) Eighth

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (b) : Total number of students in a row = 12
Karan's place from right after shifted three places towards right.

= 5th

Karan's place from right before shifted = $5 + 3 = 8^{\text{th}}$

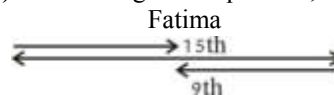
Hence, earlier position from the left = $12 - 8 + 1 = 5^{\text{th}}$

22. In a row of girls, Fatima is 15th from the one end and 9th from the other end. Find the total number of girls in the row.

(a) 25 (b) 26
(c) 24 (d) 23

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question,



Hence, the total number of girls in the row = $(15 + 9) - 1$
= 23

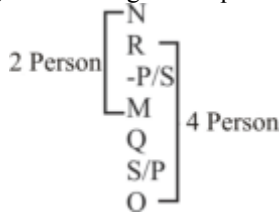


23. Seven persons M, N, O, P, Q, R and S are sitting one above the other on a ladder (not necessarily in the same order). Only four persons sit between O and R. Only two persons sit between N and M and M sits immediately above Q. O sits below M. N sits above M. How many persons are sitting between P and S?

- (a) One (b) Three
(c) Zero (d) Two

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question, we have



It is clear from the figure that two persons are sitting between P and S.

24. Five persons A, B, C, D and E are sitting one above the other on a ladder (not necessarily in the same order). B is sitting above A with one person sitting between them. Only two persons are sitting between A and C. If C is not sitting at top, then who is sitting in the middle?

- (a) E (b) B
(c) C (d) D

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (b) : Following is the correct order of seating of five friends.

- → (D or E)
- C
- B
- → (D or E)
- A

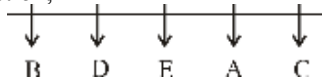
So, it is clear that B is sitting in the middle.

25. A, B, C, D and E are sitting in a row facing towards south (not necessarily in the same order). A is to the immediate right of C. Only two persons are sitting between A and B and B is not the neighbour of E. Who is sitting to immediate right of A?

- (a) C (b) B
(c) E (d) D

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (c) : On arranging the sitting order according to the question,



Thus, it is clear that E is sitting to the right of A.

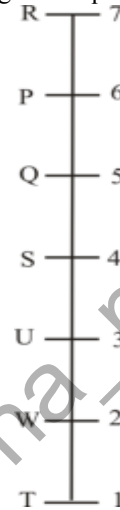
26. Seven Persons P, Q, R, S, T, U and W live on different floors in a building having seven floors (first floor is the lowermost floor, then second floor is above it and then so on). Only one person lives on one floor. P lives on one of the above S and S did not lives odd number floor.

Only two person lives between S and T. U lives on one of the immediately above W. Only four persons live between T and P. Who are the neighbours of P?

- (a) S and U (b) Q and R
(c) S and Q (d) S and R

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question,



It is clear that both R and Q are the neighbours of P.

27. In a line of students, Rohan is 7th from the left and 20th from the right. How many students are there in the row?

- (a) 26 (b) 27
(c) 13 (d) 14

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,

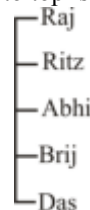
Total number of students in the row = $7 + 20 - 1 = 26$

28. Five persons Abhi, Raj, Brij, Ritz and Das are sitting on a ladder one above the other (not necessarily in the same order). Raj sits immediately above Ritz. Ritz is immediately above Abhi. Only two persons sits between Ritz and Das. If Das sits below Abhi, then how many persons will sits between Das and Raj?

- (a) Three (b) Zero
(c) One (d) Two

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (a) : The order of sitting on the ladder from bottom to top is as follows,



Hence, 3 persons sit between Das and Raj.

29. Study the given information carefully and answer the question that follows.

Eight persons A, B, C, D, E, F, G and H are sitting in a row facing the north but not necessarily in the same order. Three persons are sitting between D and F. G is sitting to the



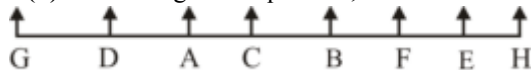
immediate left of D. Only one person is sitting between E and B. E is not sitting at any of the extreme ends. More than three persons are sitting between H and A. A is sitting to the left of H. Either H or A is sitting at one of the ends. Neither D nor F is sitting at any of the extreme ends. E and B are not the immediate neighbours of G and D. E is sitting to the right of B.

How many persons are sitting between H and C?

- (a) Zero (b) One
(c) Two (d) Three

RRB NTPC 10.02.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question,



Hence, it is clear from above figure that three person (E, F and B) are sitting between H and C.

30. If A and C interchange their places, B and D interchange their places, E and G interchange their places and so on, then which letter will be the 7th to the left of T?

- (a) M (b) L
(c) K (d) I

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (d) :

Original sequence- A B C D E F G H I J K L M N O P Q R S T...

Changed sequence C D A B G H E F K L J O P M N S Q R....

Hence, the seventh letter to the left of T is I.

31. Seven boxes S, P, L, Q, R, M and N are placed one above the other (not necessarily in the same order). Only three boxes are placed between M and L. M and L are placed neither at the bottom nor at the top. Only two boxes are placed between L and N. S is immediately below R. There is only one box between S and Q. M is placed above L. How many boxes are placed between P and N?

- (a) Two (b) Three
(c) Four (d) One

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (d) : The order of the boxes is as follows :

- P •
- M •
- N •
- R •
- S •
- L •
- Q •

Hence, it is clear that only one box 'M' is placed between P and N.

32. If the letters of an English alphabet are written in the reverse order, which letter will be the 5th to the right of the 13th letter from the left?

- (a) K (b) J
(c) L (d) I

RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (d) : If the letters of the English alphabet are written in the reverse order then the 13th letter from the left will be N and the 5th letter to the right of N will be I.

33. Five friends Ram, Rahim, Rahul, Rocky and Raj are sitting against a wall. All of them are facing to the north. Ram is sitting second to the right of Raj, who is not sitting on the extreme end. Ram and Rahim are sitting on extreme ends. Rahul is not sitting next to Ram.

Who is sitting third to the left of Rocky?

- (a) Rahul (b) Rahim
(c) Ram (d) Raj

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question,



Hence, Rahim is sitting third to the left of Rocky.

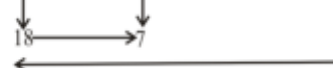
34. Which letter is seventh to the right of the eighteenth letter from the right end of the alphabet?

- (a) K (b) O
(c) R (d) P

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (d) :

ABCDEFGHIJKLMNOPQRSTUVWXYZ



Hence, the seventh letter will be 'P'.

35. If the letters of the word A D I S N H P A N R K A R F A C H T A R K Y A R were written in reverse order, then which would be the third letter to the right of the ninth letter from the left.

- (a) K (b) R
(c) N (d) A

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (b) : Direct order-

A D I S N H P A N R K A R F A C H T A R K Y A R

Reverse order-

R A Y K R A T H C A F R A K R N A P H N S I D A

9th letter from left = C

Hence, 3rd letter to the right of C = R

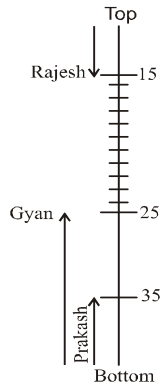
36. In a class of students, Rajesh ranks 15th from the top and Prakash ranks 25th from the bottom. Gyan is on the 10th place ahead of Prakash. If there are 10 students, exactly in between Rajesh and Gyan, then how many total students are there in the class?

- (a) 60 (b) 50
(c) 55 (d) 40

RRB NTPC 04.01.2021 (Shift-I) Stage Ist



Ans. (a) :



According to the question-
Gyan's position will be 35th from the bottom.
∴ There are 10 people between Rajesh and Gyan.
If Rajesh comes in place of Gyan then his position will be $(15 + 10 + 1) = 26^{\text{th}}$
Therefore, Total number of students are there in the class = Rajesh's position from top + Rajesh's position from bottom - 1 = $(26 + 35 - 1) = 60$

37. Students of a particular class are standing in a line. If a student's serial number is twenty-three from the start of the line in that class of fifty-one, then what is her serial number from the last student in the line?

- (a) Twenty-seven (b) Twenty-three
(c) Twenty-nine (d) Twenty-five

RRB NTPC 18.01.2021 (Shift-II) Stage Ist

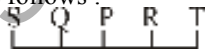
Ans. (c) : Total number of students = 51
Serial number from last = Total number of students - Serial number from start of the line + 1 = $51 - 23 + 1 = 29$

38. Five boys are sitting on a bench in a hair salon.

- (i) P is sitting next to Q
(ii) S is sitting on the left end of the bench
(iii) T is sitting next to R
(iv) T is not sitting with P
(v) P is on the third position from the right where is R sitting ?
(a) Between S and P (b) Between Q and T
(c) Between S and T (d) Between P and T

RRB NTPC 01.03.2021 (Shift-I) Stage Ist

Ans. (d) : The sequence of seating of five boys on the hair salon is as follows :



It is clear from the above seating arrangement that R sits between P and T.

39. If every third letter from the left to right of the English alphabet is deleted, then what would be the ninth letter from the right in the new series obtained?

- (a) N (b) M
(c) R (d) I

RRB NTPC 01.03.2021 (Shift-I) Stage Ist

Ans. (a) : When every third letter from left to right in the English alphabet is removed, then its sequence is as follows.

A, B, D, E, G, H, J, K, M, N, P, Q, S, T, V, W, Y, Z
Hence, ninth letter from the right is 'N'.

40. Which of the following letters is 5th to the right of the 12th letter from the left of the English alphabet when written starting from left to right?

- (a) P (b) Q
(c) H (d) E

RRB NTPC 09.03.2021 (Shift-II) Stage Ist

Ans. (b) : From question,

ABCDEF GHIJK L MNOP Q RSTUVWXYZ
(12th) (5th)

Hence, the required answer will be Q.

41. Which of the following options is the fifth of the right of the 20th letter from the left in English alphabet?

- (a) V (b) E
(c) Y (d) Z

RRB NTPC 11.03.2021 (Shift-I) Stage Ist

Ans. (c) : In the English alphabet 'T' is 20th from the left and 'Y' is 5th alphabet from the right of 'T'.

42. Seven houses A,B,C,D,E,F and H are built in a row (not necessarily in the same order) facing towards North. D is built at the extreme right. A and F are immediate neighbours of B. E is built immediate next to A. H is fourth to the right of B.

Three of the combinations listed in the options are alike in a certain way based on the position of the houses in the above arrangement. Identify the odd combination.

- (a) AF (b) BE
(c) CA (d) HE

RRB NTPC 03.04.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question, on determining the sequence.



The order of AF, CA, HF is left side and consistent while the order of BE is on the right side which is inconsistent. Hence, option (b) is correct.

43. If every 3rd letter from left to right of English alphabet is deleted, then what would be the 12th letter from right in the new series obtained?

- (a) T (b) K
(c) S (d) j

RRB NTPC 08.04.2021 (Shift-II) Stage Ist

Ans. (d) : As per question,

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15)
A B C D E F G H I J K L M N O
 x x x x
(26) (25) (24) (23) (22) (21) (20) (19) (18) (17) (16)
Z Y X W V U T S R Q P
 x x x

Hence, 12th letter from right = J

44. If the letters of the word ACCELERATIONS are arranged in the alphabetical order, then which of the following letters will be in the centre of that arrangement?

- (a) L (b) N
(c) E (d) I

RRB NTPC 30.01.2021 (Shift-II) Stage Ist



Ans. (d) : According to the question, On arranging the given letter words in alphabetical order,

A A C C E E I L N O R S T

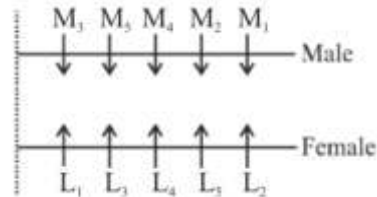
Hence, Letter 'I' will come in the centre of arrangement.

45. M1, M2, M3, M4 and M5 are five men sitting in a line facing towards the south. L1, L2, L3, L4 and L5 are five women sitting in a second line, parallel to the first line, facing towards the north. M2, who is to the immediate left of M4, is opposite L5. M3 and L2 are diagonally opposite each other. M5 is opposite L3, who is to the immediate right of L1. L4, who is to the immediate right of L3, is opposite M4. L1 is at one end of the line. Which of the following pair is diagonally opposite each other?

- (a) M1 and L2 (b) M5 and L3
(c) M3 and L1 (d) M1 and L1

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question,



Hence, it is clear from above that pair M1 and L1 is diagonally opposite to each other.

46. Seven judges, A, B, C, D, E, F and G, are sitting in a row of seven seats on the jury panel. C is sitting to the immediate left of A. D is sitting to the immediate right of B and to the immediate left of F. E is sitting on the last seat from the left of the row. C is sitting to right of G and to left of D.

Who is sitting on the fifth position from the left?

- (a) A (b) C
(c) B (d) D

RRB NTPC 10.02.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question, arrangement is as follows :



It is clear from the above arrangement that 'B' sits fifth from the left.

47. Which of the following options is 6th to the right of the 17th letter from the left in the English alphabet?

- (a) D (b) S
(c) W (d) U

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (c) : 17th letter from the left in the English alphabet = Q

6th letter from the right of Q = W

48. 50 persons are ranked in a list, in which every rank is held by only one person, Mohan is at the 23rd rank. If there are only 18 players below Sanjay in the list, then how many players are there between Mohan and Sanjay?

- (a) 8 (b) 15
(c) 9 (d) 14

RRB NTPC 09.03.2021 (Shift-I) Stage Ist

Ans. (a) : Number of persons in list = 50

Rank of Mohan from top = 23rd

Rank of Sanjay from bottom = 18 + 1 = 19th

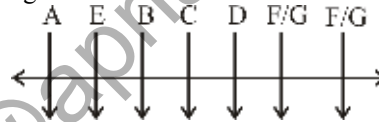
So, the number of players between Mohan and Sanjay = 50 - (23 + 19)
= 50 - 42
= 8

49. Seven girls A, B, C, D, E, F and G are sitting in a row facing south. (not necessarily in this order). C is on the immediate right of D, D is third from the left end. A is at one of the ends and is neighbour of E. Only B sits between E and C. Which of these girls are not sitting next to each other?

- (a) F and G (b) E and A
(c) C and B (d) D and E

RRB NTPC 12.03.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question, on arranging the sitting of girls :



Hence, It clear that D and E are not sitting next to each other.

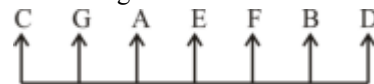
50. Seven persons A, B, C, D, E, F and G are sitting in a row (not necessarily in the same order) facing towards north. C sits third to the left of E. E is the neighbour of A. Only two persons sit between A and B. Only three persons sit between C and F. Only two persons sit between F and G.

Which of the following seating arrangement cannot be possible (from left to right)?

- (a) D, B, C, G, A, E, F (b) C, G, A, E, F, B, D
(c) D, C, G, A, E, F, B (d) B, D, C, G, A, E, F

RRB NTPC 13.03.2021 (Shift-I) Stage Ist

Ans. (d) : The seating order is as follows :



Hence, option (d) is different from other three because in all the remaining options two people sit between A and B, whereas, in option (d) three people sit between A and B.

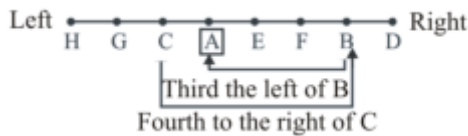
51. A to H are sitting in a row but not necessarily in the same order. E is the fifth from the left and A is the fifth from the right. B and D are adjacent to each other. H is at one end and not a neighbour of D. A is between C and E. There are two persons between E and G. There are three persons between A and D. Who is the third to the left of the person sitting fourth to the right of C ?

- (a) F (b) A
(c) B (d) H

RRB NTPC 14.03.2021 (Shift-I) Stage Ist



Ans. (b) : According to the question sitting arrangement is as follows -



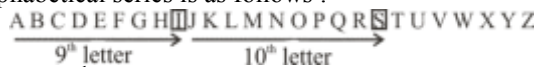
Hence, A is the third person to the left of B who is fourth to the right of C.

52. Which of the following letter will come 10th to the right of the 9th letter from the left in the alphabetical Series?

(a) G (b) S
(c) H (d) T

RRB NTPC 19.03.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question-
Alphabetical series is as follows :



Hence, 10th letter from the right of I is 'S'.

53. Five students Priyanka, Mary, Sunil, Asha and Riyan are standing in a row. Asha stands between Priyanka and sunil, Sunil stands between Riyan and Asha, Riyan Stands between Sunil and Mary.

Who stands first in the position?

(a) Asha (b) Sunil
(c) Ryan (d) Priyanka

RRB NTPC 28.03.2016 Shift : I

Ans : (d) According to the question,

Priyanka → Asha → Sunil → Riyan → Mary
So, Priyanka is standing in the first place in the position.

Direction : (54-56) Answer the following question based on the following information.

P, Q, R, S and T are sitting facing South in a row.

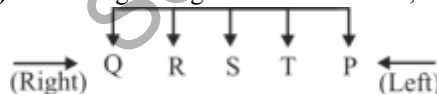
1. S is immediately after T.
2. R is second from right and after Q.
3. P is at last place and after T.

54. Who is in the middle ?

(a) P (b) Q
(c) R (d) S

RRB NTPC 22.04.2016 Shift : I

Ans. (d) The sitting arrangement is as follows,



Hence, it is clear that 'S' is in the middle.

55. Who is second from the left ?

(a) R (b) T
(c) Q (d) P

RRB NTPC 22.04.2016 Shift : I

Ans. (b) T is second from left.

56. Who is on the right end ?

(a) P (b) Q
(c) S (d) T

RRB NTPC 22.04.2016 Shift : I

Ans. (b) It is clear from the given figure in the solution of question (56) that Q is on the right end.

Instructions (57-59) : Read the following information carefully and answer the question based on it.

In a zoo, five cages are arranged sequentially in random order from left to right such that-

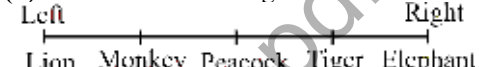
1. The tiger is placed immediate to the elephant.
2. The lion is placed immediate to the monkey.
3. The peacock is between the monkey and the tiger.
4. The lion's cage is to the left of the peacock cage.

57. The peacock cage is -

(a) Fourth from left (b) Third from right
(c) Fourth from right (d) Second from left

RRB NTPC 07.04.2016 Shift : II

Ans. (b) : The order of the cages is as follows :



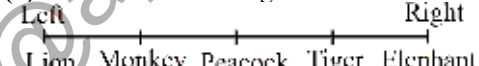
Hence, Peacock's cage will be third from the right.

58. Which cage is on the extreme right side ?

(a) Elephant (b) Monkey
(c) Lion (d) Tiger

RRB NTPC 07.04.2016 Shift : II

Ans. (a) : The order of the cage is as follows:



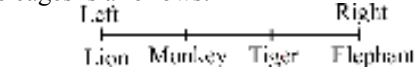
Thus, Elephant's cage is on the extreme right side.

59. If the peacock cage is removed from these and only four cages are left then which will be the third cage from the right ?

(a) Elephant (b) Tiger
(c) Lion (d) Monkey

RRB NTPC 07.04.2016 Shift : II

Ans. (d) If the peacock cage is removed, then the order of the cages is a follows:



So, the third cage from the right will be of the monkey.

Instruction (60-62) : Consider the following information and answer the question based on it.

Seven bottles of brown, blue, black, violet, white, indigo and purple colours are placed in row from left to right in an randomly order such that—

1. White and purple coloured bottles do not have any ends.
2. The brown bottle is immediately right of the violet bottle and immediately left of the white bottle.
3. White bottle is not in the middle of violet and brown bottles.
4. The black bottle is immediately left to the purple bottle.
5. Blue bottle is neither the last bottle nor the other end.

60. Which bottle is in the middle of the row ?

(a) Black bottle (b) Indigo bottle
(c) Blue bottle (d) Purple bottle

RRB NTPC 19.04.2016 Shift : II



Ans. (c) : The sequence of arrangement of bottle is as follows,



Hence, it is clear from the above figure that middle bottle of the row is Blue.

61. Which of the following statement is correct?

- (a) Indigo bottle is immediately left to the purple bottle.
- (b) Blue bottle is immediately left to the purple bottle.
- (c) There are at least 5 bottles between the brown and black bottles.
- (d) Black bottle is immediately right to the blue bottle.

RRB NTPC 19.04.2016 Shift : II

Ans. (d) : It is clear from above information that black bottle is immediately right of the blue bottle.

62. Bottles on the right and left ends.

- (a) Violet and purple
- (b) Indigo and violet
- (c) Black and indigo
- (d) Black and violet

RRB NTPC 19.04.2016 Shift : II

Ans. (b) : The bottles of right and left end are Indigo and Violet respectively.

Read the following information carefully and answer the question given below.

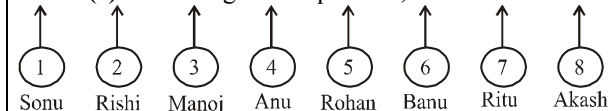
Eight friends-Manoj, Ritu, Banu, Rishi, Anu, Rohan, Sonu and Akash are seated in a row in which chairs numbered one to eight are placed in ascending order from left to right. They are all facing north. Banu is sitting on the number six chair. There are exactly two people between Banu and Manoj. Ritu and Akash are sitting next to each other. Sonu is not sitting next to both Manoj and Banu. Anu is not sitting on a chair with an odd number. Ritu and Akash are not sitting on the number fourth chair. Only one person sits between Rohan and Ritu. Anu is seated to the right of Rishi (not immediately) and Rishi is not sitting right immediate next to Rohan.

63. Who among the following sits on even numbered chair ?

- (a) Manoj
- (b) Ritu
- (c) Anu
- (d) Rohan

RPF Constable 24.01.2019 Shift : I

Ans : (c) According to the question, we have



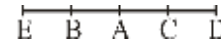
The one who sits on the chair of even number = Rishi, Anu, Banu and Akash. Hence, option (c) is correct.

64. A, B, C, D and E are sitting on a bench. A sits immediate to B. C sits immediate to D. D is not seated with E who is on the left edge of the bench. C is second to the right. A is to the right of B and E. A and C are sitting together. So where is A sitting?

- (a) Between B and D
- (b) Between B and C
- (c) Between E and D
- (d) Between C and E

RRB NTPC 30.04.2016 Shift : III

Ans. (b) : According to the question, the seating arrangement is as follows:



Hence, it is clear that A is sitting between B and C.

65. If the letters of the English alphabet are written in reverse order, which letter comes in the middle of the 13th letter and the 25th letter?

- (a) H
- (b) G
- (c) M
- (d) I

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (a) : On writing the letters of English alphabet in reverse order,



Hence, it is clear that, in between N(13th) & B (25th), H lies at middle.

66. 8 students Ani, Bini, Cina, Dia, Eva, Fin, Gim and Haz are sitting in a row facing towards North (Not necessarily in the same order). Only four students are sitting between Cina and Bini and one among Cina and Bini is sitting at the end of row. Only three students are sitting between Bini and Ani. Only two students are sitting between Gim and Haz. Dia is sitting to the immediate right of Ani and Ani is fifth to the left of Haz.

Who among the given options could be seated to the immediate left of Bini?

- (a) Haz
- (b) Gim
- (c) Ani
- (d) Eva

RRB NTPC 21.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question, The sitting arrangement is as follows :



In the above sitting arrangement, it is clear that Eva or Fin is sitting to the left of Bini.

Since, 'Fin' is not named in the options. So, Eva could be seated to the immediate left of Bini.

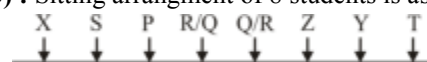
67. 8 students P, Q, R, S, T, X, Y and Z are sitting in a row facing towards South (Not necessarily in the same order). Only four students are sitting between P and T. Z is fourth to the left of S. R is neighbour of Q. P is sitting to the right of T and T is sitting second to the left of Z. T is not the neighbour of X.

If T is sitting at one of the end of row, then who will sit at seventh place from the other end?

- (a) R
- (b) Y
- (c) Z
- (d) P

RRB NTPC 21.01.2021 (Shift-II) Stage Ist

Ans. (b) : Sitting arrangement of 8 students is as follows:



Therefore, Y will sit at seventh place from the other end.



Instructions (68-70)- Read the information carefully and answer the following questions.

Five Men Arjun, Vijay, Kris, Dan and Ealv are sitting facing south in a row, while five are sitting facing north in the second row.

Vijay who is to the immediate left of Dan is sitting facing to Rosie, Kris and Nisha are sitting diagonally facing each other. Ealv is in front of Shilpa who is immediately to the right of Misha, Pooja who is immediately left of Rosie is in front of Dan. Misha is at one end of the line.

68. Which of the following are diagonally facing to each other ?

- (a) Ealv and Rosie (b) Vijay and Shilpa
(c) Arjun and Nisha (d) Arjun and Misha

RRB NTPC 26.04.2016 Shift : III

Ans. (d) The seating arrangement is as follows,



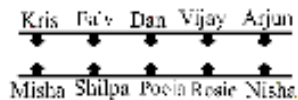
Arjun, Misha are sitting diagonally facing each other.

69. Who is sitting third to the right of Shilpa ?

- (a) Rosie (b) Nisha
(c) Misha (d) Data insufficient.

RRB NTPC 26.04.2016 Shift : III

Ans. (b) The seating arrangement is as follows,



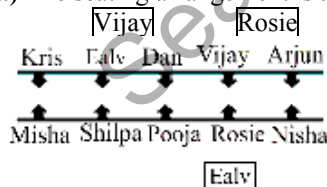
Nisha is sitting third to the right of Shilpa.

70. If Vijay sits at the place of Ealv, Ealv sits at Rosie's place and Rosie sits at Vijay's place. Then who will be second to the left of the person sitting in front of Shilpa ?

- (a) Rosie (b) Pooja
(c) Ealv (d) Danny

RRB NTPC 26.04.2016 Shift : III

Ans. (a) The seating arrangement is as follows,



Hence, Vijay is second to the left of the person sitting in front of Shilpa.

Direction (71-72) Consider the following information and answer questions based on it.

Seven students J, K, L, M, N, O and P are standing in a row, in random order, from left to right, such that-

- P, O, K and N do not stand on any of the ends
- J is to the immediate left of P and immediate right of O
- M is not at the middle.
- K is to the immediate right of N and immediate left of L.

71. Who is at the middle of the row?

- (a) N (b) J
(c) P (d) K

RRB NTPC 06.04.2016 Shift : II

Ans. (c) The seating arrangement is as follows,



Hence, P stands in the middle of Row.

72. Which student stands on the immediate left of O ?

- (a) L (b) J
(c) M (d) P

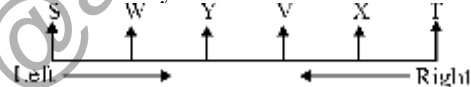
RRB NTPC 06.04.2016 Shift : 2

Ans. (c) M is standing to the immediate left of O.

Instructions (73-75): Consider the following information and answer the questions based on it.

Six cars S, T, V, W, X and Y are parked in a parking plot, in a random order, from left to right, such that,

- A. T is parked on the extreme right
B. V is parked to the immediate right of Y and is one car away from W
C. X is to the immediate left of T and is three cars away from S



73. Which of the following statement is true?

- (a) There are two cars between T and V.
(b) There are one car between X and Y.
(c) There are three cars between Y and S.
(d) There are no car between X and W.

RRB NTPC 06.04.2016 Shift : I

Ans. (b) V is standing between X and Y.

74. W is to the immediate right of

- (a) S
(b) Y
(c) V
(d) Cannot be determined

RRB NTPC 06.04.2016 Shift : 1

Ans. (a) Car W is parked immediately to the right of S.

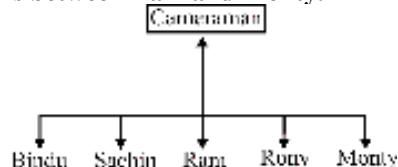
75. Which car is parked to the immediate left of X?

- (a) V (b) Y
(c) W (d) T

RRB NTPC 06.04.2016 Shift : 1

Ans. (a) Car V is standing immediately to the left of car X.

Directions (76-78) Five boys are sitting on a bench for photograph Sachin is to the left of Ram and to the right of Bindu. Monty is to the right of Ram. Rony is between Ram and Monty.





88. — is in the middle jar.

- (a) Mango (b) Tomato
(c) Gooseberry (d) Lemon

RRB NTPC 03.04.2016 Shift : II

Ans. (c) Gooseberry is placed in the middle jar.

89. In which of the following has two jars in between ?

- (a) Lemon and Gooseberry
(b) Gooseberry and Tomato
(c) Mango and Lemon
(d) Tomato and Mango

RRB NTPC 03.04.2016 Shift : II

Ans. (d) Jars of Garlic and Gooseberry are placed in between the jars of Tomato and Mango.

Instructions (90-92) : Read the following information carefully and answer the question given below.

Anil, Beenu, Chirag, Dhawan and Elja are sitting in a row. Chirag and Dhawan can never sit together. Beenu can not sit in third place. Anil is sitting third to the left of Elja and to the immediate right of Chirag.

90. Who is in the middle ?

- (a) Anil (b) Dhawan
(c) Chirag (d) Elja

RRB NTPC 04.04.2016 Shift : III

Ans. (b) : According to the question,



Hence, Dhawan is sitting in the middle.

91. Which of the following is correct?

- (a) Anil is second to the left.
(b) Anil is second to the right.
(c) Anil is the first from the left.
(d) Anil is on the right corner.

RRB NTPC 04.04.2016 Shift : III

Ans. (a) : Anil is second from left.

92. In which of the following does the first person sit next to the immediate left of the other person ?

- (a) Elja, Beenu (b) Dhawan, Beenu
(c) Beenu, Dhawan (d) Dhawan, Anil

RRB NTPC 04.04.2016 Shift : III

Ans. (b) : First person Dhawan, is sitting to the immediate left of second person Beenu.

Instruction (93-94) :

Read the extract below and answer the given questions.

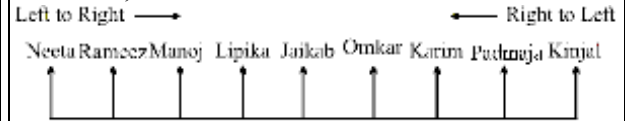
Nine fans of music are sitting facing north in a row and watching a classical concert. Their names are Jacob, Kinjal, Lipika, Manoj, Neeta, Omkar, Padmaja, Kasim and Rameez. Lipika is immediately to the right of Manoj and third to the right of Nita. Kinjal is at the end of the line. Kasim is seated next to both Omkar and Padmaja. Omkar is immediately to the right of Jacob and third to the left of Kinjal.

93. Which of the following statements is correct?

- (a) Nita is two seats away from Jacob.
(b) Rameez is immediately to the left of Jacob.
(c) Manoj and Padmaja are neighbours.
(d) There is only one person between Lipika and Omkar.

RRB NTPC 28.04.2016 Shift : III

Ans. (d) : The order of nine fans sitting facing north is as follows,



Hence, it is clear that only one person (Jacob) is sitting between Lipika and Omkar.

94. Kinjal is at the end of the line who is the other end?

- (a) Manoj (b) Padmaja
(c) Nita (d) Rameez

RRB NTPC 28.04.2016 Shift : III

Ans. (c) : Kinjal is at the one end of the line then there will be 'Neeta' at the other end.

Instructions (95-96)- E, F, G, H and K visit a hospital on week days. Each one of them is a physician, surgeon, dentist, cardiologist, nephrologists but in the random order. Each visits the hospital only one day in the week and attends to his profession only. Consider the following information and answer the questions based on it

- The physician visits office every Monday
- E is the cardiologist who comes neither on Tuesday nor Thursday
- K is a surgeon and G is not the physician
- The person who visits the office on Thursday is not a nephrologists
- H works on a Tuesday and K works on the following day

95. Who is the physician

- (a) E (b) F
(c) G (d) H

RRB NTPC 27.04.2016 Shift : II

Ans. (b)

Person	Day	Medical
E	Friday	Heart disuse
F	Monday	Physician
G	Thursday	Dental
H	Tuesday	Kidney
K	Wednesday	Surgeon

96. The cardiologist visits the office on

- (a) Tuesday (b) Wednesday
(c) Thursday (d) Friday

RRB NTPC 27.04.2016 Shift : II

Ans. (d) According to the above interpretation the cardiologist has a visit on Friday.



Type-2: Sequence and Seating Arrangement Based on Shapes Like Circular, Square etc.

97. Seven friends Harshita, Eshika, Jaismine, Kapil, Reshma, Mohit and Nilesh are sitting around a circular table facing towards the centre. Harshita is sitting second to the right of Mohit and third to the left of Kapil. Eshika and Jaismine are the immediate neighbours of Kapil. Nilesh is sitting second to the right of Eshika.

Who is sitting to the immediate right of Harshita?

- (a) Nilesh (b) Jaismine
(c) Reshma (d) Mohit

RRB NTPC (Stage-II) –13/06/2022 (Shift-I)

Ans. (c) : Sitting order of seven friends is as follows-



Hence, it is clear that Reshma is sitting to the immediate right of Harshita.

98. Study the given information carefully and answer the question that follows.

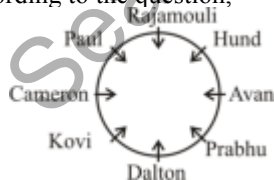
In a film school, eight directors, Avan, Paul, Cameron, Dalton, Kovi, Rajamouli, Prabhu and Hund are sitting around a circular table facing the centre. Dalton is third to the left of Hund. Hund is fourth to the right of Kovi. Paul is third to left of Dalton. Avan is third to the left of Paul. Rajamouli is second to the left of Cameron.

How many persons sit between Avan and Prabhu, when counted from the left of Avan?

- (a) 2 (b) 1
(c) 0 (d) 3

RRB NTPC (Stage-II) –13/06/2022 (Shift-I)

Ans. (c) : According to the question,



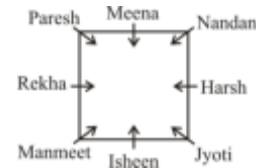
Hence, it is clear from diagram that no one sits between Avan and Prabhu.

99. Eight friends are sitting around square table, four at the corners and four in the middle of the sides facing the centre. Isheen is an immediate neighbour of Manmeet and Jyoti. Only three people sit between Harsh and Rekha. Nandan is sitting third to the right of Isheen. Paresh is second to the left of Manmeet. Only three people sit between Meena and Isheen. Manmeet is sitting to the immediate right of Rekha. Who is sitting second to the right of Nandan?

- (a) Jyoti (b) Meena
(c) Paresh (d) Rekha

RRB NTPC (Stage-II) –14/06/2022 (Shift-I)

Ans. (c) : The sitting arrangement of 8 friends is as follows :



Hence, it is clear from above diagram that Paresh is sitting second to the right of Nandan.

100. Study the given information carefully and answer the question that follows.

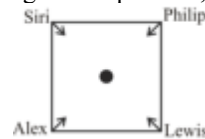
In an office, four colleagues Lewis, Alex, Philip and Siri are sitting around a square table, and each of them are seated at different corners facing the centre of the table. Lewis is sitting to the immediate right of Alex. Philip is sitting to the immediate left of Siri.

Which of the following pairs is sitting diagonally opposite each other?

- (a) Lewis-Alex (b) Alex-Siri
(c) Lewis-Philip (d) Philip-Alex

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (d) : According to the question,



Hence, it is clear from the above diagram that Philip is sitting diagonally opposite to Alex.

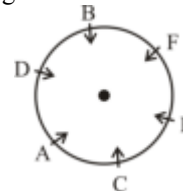
101. Six people A, B, C, D, E and F are sitting around a circular table facing the centre. C sits second to the right of D. A is an immediate neighbour of C. Only two people sit between F and A. B sits to the immediate right of F. Who sits third to the left of E?

- (a) D (b) C
(c) A (d) F

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (a) : According to the question,

Six people A, B, C, D, E and F are sitting around a circular table facing the centre is as follows-



Hence, it is clear from above that D sits third to the left of E.

102. Eight friends, A, B, C, D, E, F, G and H are sitting around a square table. Four of them are sitting at four corners of the table and are facing the center. The other four are sitting at the middle of each of the four sides and are facing opposite to the center. E is facing the center and is not an immediate neighbor of G.



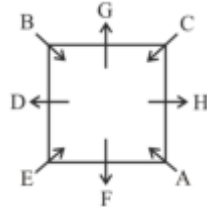
A is facing center and is sitting at the third position from the right of G. D is sitting to the immediate right of B. B is facing the center while C is not an immediate neighbor of A. There is only one person sitting between G and H.

Who among the following sits to the immediate right of F?

- (a) A (b) D
(c) G (d) E

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (d) : The correct order of sitting of the eight friends around the square table is as follows :



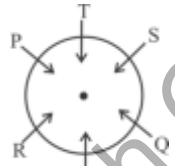
Hence, it is clear from above diagram that E sits to the immediate right of F.

103. P, Q, R, S, T and U are sitting around a circular table, facing the center. P sits second to the left of U and third to the right of Q. S sits second to the right of U. R sits second to the left of Q. Who is the immediate neighbour of Q and T both?

- (a) S (b) R
(c) U (d) P

RRB NTPC (Stage-II) –17/06/2022 (Shift-I)

Ans. (a) : The correct sitting sequence of P, Q, R, S, T and U facing the center is as follows :



It is clear from above diagram that S is the immediate neighbour of Q and T.

104. Read the given sitting arrangement information and answer the question that follows.

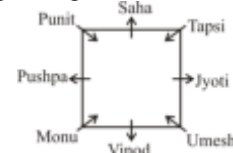
Punit, Monu, Jyoti, Umesh, Tapsi, Vinod, Pushpa and Saha are sitting at a square table in such a way that four of them are sitting at four corners of the table, while the other four are sitting in the middle of each of four sides of the table. The four who are sitting at the corners of the table are facing the centre, whereas those who are sitting in the middle of the side of the table are facing outside. Punit, who is facing the centre, is sitting third to the right of Vinod. Tapsi, who is facing centre, is not an immediate neighbour of Vinod. Only one person is sitting between Vinod and Pushpa. Umesh sits second to the right of Monu. Monu is facing the centre Jyoti is not an immediate neighbour of Punit.

Which of the following regarding Monu is true?

- (a) Monu is sitting between Pushpa and Vinod.
(b) Monu sits to the immediate right of Tapsi.
(c) Monu sits next to the Saha.
(d) Monu is the immediate neighbor of Jyoti.

RRB NTPC (Stage-II) –17/06/2022 (Shift-III)

Ans. (a) : Sitting arrangement is as follows.



Hence, Monu is sitting between Pushpa and Vinod.

105. Study the given information carefully and answer the question that follows.

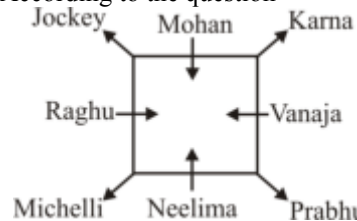
Colleagues Karna, Michelli, Prabhu, Vanaja, Mohan, Raghu, Jockey and Neelima are sitting around a square table in such a way that four of them sit at corner and four of them at the middle of the sides. The ones who sit at the corners face outside (opposite to the centre) and the ones who sit at the middle of the sides face towards centre. Vanaja is seated third to the right of Jockey. Vanaja faces towards the centre. Mohan is third to the left of Prabhu. Prabhu is not sitting at middle of any of the sides. Only one person sits between Mohan and Raghu. Raghu is not an immediate neighbour of Prabhu. Neelima faces towards the centre, Karna is not an immediate neighbour of Raghu.

Who is an immediate neighbour of both Mohan and Raghu?

- (a) Vanaja (b) Jockey
(c) Michelli (d) Prabhu

RRB NTPC (Stage-II) –15/06/2022 (Shift-I)

Ans. (b) : According to the question-



Hence, Jockey is sitting immediate neighbour of both Mohan and Raghu.

106. Eight persons A, B, C, D, E, F, G and H are sitting around a circular table facing opposite to the centre (not necessarily in the same order). B is the neighbour of E and is fourth to the right of A. Only two persons are sitting between E and F. Only three persons are sitting between G and H. B is not the neighbours of G. D is third to the left of C.

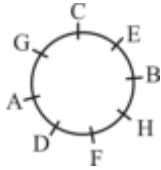
Who can be the neighbours of A.

- (a) C and D (b) H and C
(c) G and D (d) G and H

RRB NTPC 17.01.2021 (Shift-I) Stage Ist



Ans. (c) : According to the question,



It is clear from the figure that the neighbours of A are G and D.

- 107.** Six people Raj, Shruti, Priya, Mohan, Ajit and Geet are sitting around a circular table facing inside. Mohan is second from Priya's right and Priya is third from Raj's left. Ajit is second from Mohan's right and Geet is not Mohan's neighbour. Who is fourth to the right of Geet?

- (a) Mohan (b) Raj
(c) Priya (d) Shruti

RRB NTPC 18.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question, the seating order is as follows :



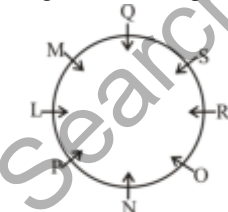
Hence, 'Raj' is sitting fourth to the right of Geet.

- 108.** L, M, N, O, P, Q, R, and S are sitting in a circle facing the center. S is to the right of R. P is to the left of N and right of L, R is to the right of O and O is to the right of N. If Q is to the right of S, then who is to the right of M?

- (a) L (b) Q
(c) P (d) R

RRB NTPC 20.01.2021 (Shift-I) Stage Ist

Ans. (a) : The sitting order of the persons is as follows—



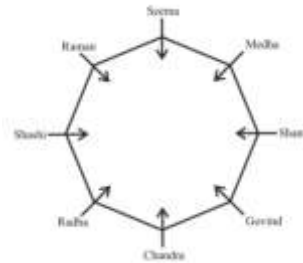
It is clear from the figure that, 'L' is sitting to the right of the M.

- 109.** A group of friends are sitting in an arrangement with one each at the corner of an octagon. All are facing the centre. Medha is sitting diagonally opposite Radha. Medha is on Seema's left. Raman is next to Seema and opposite to Govind. Govind is on Chandra's right. Shanti is not on Medha's right but is opposite to Shashi. Who is opposite to Chandra?

- (a) Radha (b) Seema
(c) Shanti (d) Raman

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (b) : The correct pattern of sitting is as follows :



Hence, it is clear that Seema is sitting in front of Chandra.

- 110.** Read the following information and answer the question that follows.

1. Five ladies Simran, Vaishali, Namita, Preeti and Bhawna meet in a hotel for a party. They all sit around a circular table facing the centre of the table

2. Bhawna is sitting to the right of Vaishali

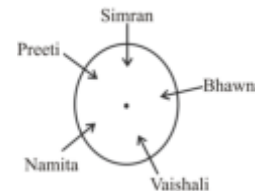
3. Simran is sitting to the left of Preeti.

4. Preeti is sitting between Namita and Simran
Who is sitting to the right of Namita?

- (a) Simran (b) Vaishali
(c) Bhawna (d) Preeti

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question, sitting arrangement is as follows:-



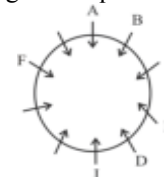
It is clear from sitting arrangement that Vaishali is sitting to the right of Namita.

- 111.** There are 10 person sitting in a circle facing each other. A and J are sitting opposite to each other, whereas F and H are sitting opposite to each other. A and I are sitting to the immediate right and immediate left of B, respectively. H is sitting in between I and D. On the basis of the given information, which of the following is correct?

- (a) J is sitting between A and F
(b) I is sitting between H and B
(c) D is sitting to the immediate right of C
(d) G is sitting beside D

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question,



It is clear from the above figure that I is sitting between H and B.

Hence, option (b) is correct.



112. Read the given instructions carefully and answer the question that follows.

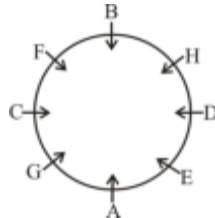
8 people - A, B, C, D, E, F, G, H - are sitting at a round table facing each other. A is between E and G, whereas G is sitting second to the right of F. H is between D and B and is second to the left of F. A and B are sitting opposite each other.

How many persons are sitting between A and B?

- (a) 4 (b) 2
(c) 3 (d) 5

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question sitting arrangement of 8 people is as follows :



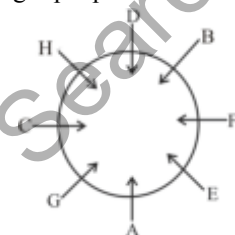
Hence, it is clear from above that 3 people are sitting between A and B.

113. Eight person A to H are sitting at a round table facing its center such that, G is at the immediate left of A and third to the right of D. There are two persons between A and B. C is not the immediate neighbour of B. E and F are adjacent to each other. F is not the immediate neighbour of A and D. C is immediate neighbour of G. Who is second to the left of F?

- (a) A (b) D
(c) B (d) G

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question, sitting arrangement of eight people is as follows :



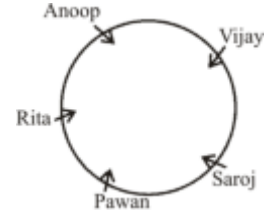
It is clear from the diagram that A is second to the left of F.

114. Rita, Saroj, Pawan, Vijay and Anoop was sitting around a circular table facing towards the center. Pawan is sitting immediate to the left of Saroj and second to the right of Anoop. Rita is sitting immediate to the left of Pawan. Who is sitting immediate to the right of vijay?

- (a) Anoop (b) Rita
(c) Saroj (d) Pawan

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question, the sitting arrangement of the people will be as follows:-



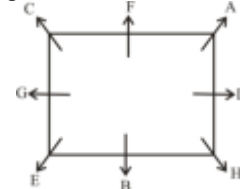
Hence, Anoop is sitting immediate to the right of Vijay.

115. Eight persons A, B, C, D, E, F, G and H are sitting on a rectangular table facing away from the center not necessarily in the same order. Two persons are there between A and G. G is sitting on one of the shorter sides of the rectangular shaped table. C is sitting on one of the corners and is not a neighbour of B or D. H is sitting third to the left of G. B is sitting on a longer side of the table and is immediate neighbour of E. If B is sitting to the left of D then, who among the following is sitting opposite to D.

- (a) G (b) A
(c) C (d) F

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question the sitting arrangement the persons is as follows-



Hence, G is sitting opposite to D.

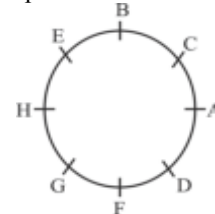
116. Eight persons A, B, C, D, E, F, G and H are sitting around a circular table (not necessarily in the same order). All are facing towards the centre. Only one person sits between G and E. B sits fourth to the right of F. F is third to the left of C. Only one person sits between G and D. G and D are not neighbours of C or B. A sits third to the left of E.

If we count from the right of A, then who sits between A and B?

- (a) H (b) G
(c) C (d) D

RRB NTPC 27.03.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question, the sitting arrangement of the persons is as follows :



Hence, if we count from, the right of A, then C sits between A and B.

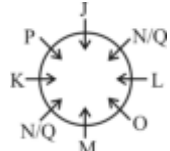


117. J, K, L, M, N, O, P and Q are sitting in a circular position facing the centre. O sits immediate to the right of M and third to the left of J. P sits third to the left of M, who does not sit next to N. K is sitting next to P and L does not sit next to M or J. Who is sitting immediate to the right of J?

(a) O (b) P
(c) N (d) K

RRB NTPC 06.04.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question, the seating order of the persons is as follows :



It is clear from the above diagram that 'P' sits immediate to the right of J.

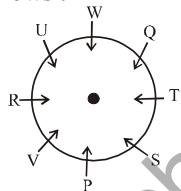
118. P, Q, R, S, T, U, V and W are sitting around a circular table facing the centre. P sits third to the right of U. One person sits between P and T. S sits second to the left of Q. Q is neither an immediate neighbour of P nor U. V is an immediate neighbour of R. V is not an immediate neighbour of U.

Which of the following pairs represents the immediate neighbours of W?

(a) V, U (b) S, T
(c) Q, U (d) S, U

RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question the sitting order of the persons is as follows :



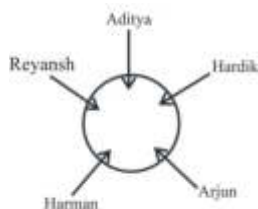
It is clear that, U and Q are the neighbour of W.

119. Five friends are sitting around a table facing the centre. Arjun is to the right of Harman. Hardik is to the left of Aditya and to the right of Arjun. Harman is to the right of Reyansh. Who is sitting to the immediate right of Aditya?

(a) Hardik (b) Harman
(c) Arjun (d) Reyansh

RRB NTPC 12.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question the seating order of the persons is as follows-



Hence, Reyansh is sitting to the immediate right of Aditya.

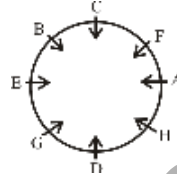
120. 8 Persons A, B, C, D, E, F, G and H are sitting around a circular table facing the centre (not necessarily in the same order). F is to the immediate left of C and is adjacent to A. H is to the immediate right of D. Only three persons are sitting between B and H. B is to immediate left of E and E is not adjacent to C.

If each person interchanges his or her position with the person seated opposite to him or her, then who will be on the immediate right of E?

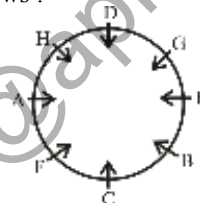
(a) B (b) H
(c) G (d) C

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question the seating order of the persons is as follows :



Again, the order of arrangement of persons on changing their positions from the person sitting in front of them is as follows :



It is clear from the above arrangement that 'G' is sitting to the immediate right of E.

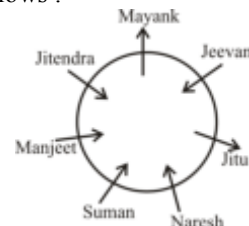
121. 7 persons Mayank, Manjeet, Naresh, Jitender, Suman, Jitu and Jeevan are sitting around a circular table, some are facing inward and some are facing outwards. Suman facing inward and sitting 4th to the right of Mayank. Mayank is sitting 2nd to the left of Jitu. Jitu is facing outward and is sitting next to the left of Jeevan. Jeevan is sitting 3rd to the right of Suman. Manjeet is not the immediate neighbour of Mayank and Jitu. Manjeet is sitting 2nd to the left of Mayank. Naresh is not sitting 3rd to the right of Jitu.

Who among the following is an immediate neighbour of Mayank?

(a) Suman (b) Jitu
(c) Manjeet (d) Jeevan

RRB NTPC 29.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question the sitting order of the persons is as follows :



An immediate neighbour of Manjeet is Jeevan.



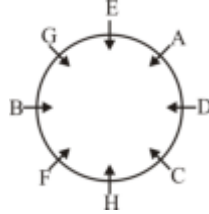
122. Eight persons A,B,C,D,E,F,G and H are sitting around a circular table facing towards the centre (not necessarily in the same order). B sits third to the right of A. A is second to the right of C. Only two persons sit between C and E. H sits second to the left of D. F is not the neighbour of C or E.

Who is sitting third to the left of G?

- (a) E (b) D
(c) B (d) H

RRB NTPC 30.01.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question :



It is clear from the diagram that D is sitting third to the left of G.

123. Read the given information carefully and answer the question that follows.

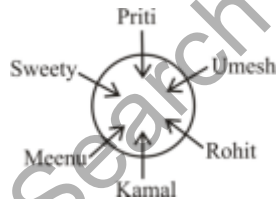
Six friends Priti, Kamal, Rohit, Sweety, Meenu and Umesh, are sitting in a circle (but not necessarily in the same order). Their faces are towards the centre. Meenu is sitting second to the left of Rohit. Umesh is sitting between Rohit and Priti. Sweety is sitting to the immediate right of Priti.

Who is sitting between Rohit and Meenu?

- (a) Kamal (b) Sweety
(c) Priti (d) Umesh

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (a) : The order of six friends sitting in a circle facing towards centre is as follows :-



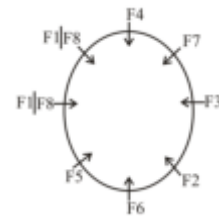
Hence, it is clear that Kamal is sitting between Rohit and Meenu.

124. Eight friends F1, F2, F3, F4, F5, F6, F7 and F8 are sitting around a circular table facing towards the centre (not necessarily in the same order). F2 is not the neighbour of F1 or F8. Only F6 is between F2 and F5. F2 is second to the left of F7. F4 is second to the right of F3. Which of the following could be correct position of F1?

- (a) Second to the left of F7
(b) Immediate left of F4
(c) Third to the left of F6
(d) Third to the left of F5

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question, the seating order of the persons is as follows :



It is clear from the diagram that F1 is sitting third to the left of F6.

125. 6 friends Mansi, Manish, Shreya, Pankaj, Shagun and Sakshi are sitting around a circular disc facing the centre. Mansi is next left to Manish, Sakshi is in the middle of Shagun and Shreya. Two people are in between Manish and Shagun. Who is sitting immediate to the right of manish?

- (a) Sakshi (b) Shagun
(c) Pankaj (d) Shreya

RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question :



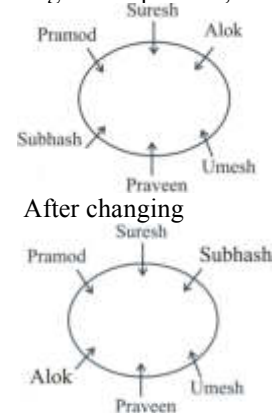
It is clear from the diagram that Shreya is sitting right next to Manish.

126. Six friends are playing cards in a circular enclosure facing the centre. Subhash is sitting to the right of Pramod. There is one person sitting in between Umesh and Suresh. Praveen is sitting in between Subhash and Umesh and Praveen is second to the left of Alok. If Alok and Subhash mutually change their places, then who will be sitting second to the right of Praveen?

- (a) Subhash (b) Umesh
(c) Suresh (d) Pramod

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (a) : According to the question,



It is clear from the changing diagram that Subhash is sitting second to the right of Praveen after changing the places.



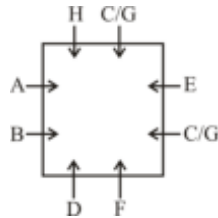
127. 8 boys A, B, C, D, E, F, G and H are sitting around a square table facing towards the centre (not necessarily in the same order). Two boys are sitting on each side. D is second to the right of A. H and D sit on the opposite sides. H is either third to the left of D or third to the right of D. A and B are sitting on the same side. E is not the neighbour of H or D. F is not the neighbour of E and H.

Who is the neighbour of E?

- (a) B and D (b) A and D
(c) C and G (d) H and A

RRB NTPC 18.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question, the seating order of the persons is as follows :



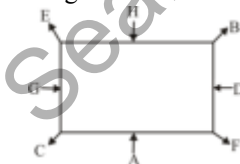
Hence, C and G are neighbours of E.

128. There are eight persons i.e. A, B, C, D, E, F, G and H are sitting around a rectangular table. Four of the eight are sitting on four corners of the table facing opposite to the centre while those who are sitting on the sides are facing to the center. B is sitting at one of the corners. There are two people between A and B. G is sitting on one of the smaller sides with E as his left neighbour. D is sitting second to the right of A. C and F are neighbour of A. There are two persons between H and C to the right of H. Who is sitting at the second place to the right of B ?

- (a) C (b) D
(c) F (d) G

RRB NTPC 25.01.2021 (Shift-II) Stage Ist

Ans. (c) : The sitting arrangement of A, B, C, D, E, F, G and H of the rectangular table is following :



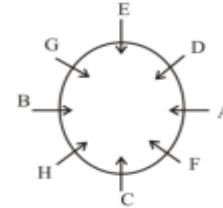
Hence, it is clear that F is sitting at the second place to the right of B.

129. Eight persons A, B, C, D, E, F, G and H are sitting around a circular table facing towards the centre (not necessarily in the same order). A sits second to the right of C and C is third to the left of D. B is not the neighbour of C. B is second to the right of E. Only one person sits between D and G. G is second to the left of H. What is the position of G with respect to C?

- (a) Immediate left (b) Immediate right
(c) Third to the left (d) Third to the right

RRB NTPC 03.02.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question, the sitting order of the persons is as follows :



Hence, it is clear that G is at third position from left of C.

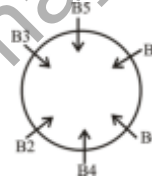
130. Six boys B1, B2, B3, B4, B5 and B6 are sitting around a circular table facing towards the centre (Not necessarily in the same order). B1 sits second to the right of B4. B4 is neighbour of B6. B3 sits third to the left of B6. B2 is not neighbour of B1.

What is the position of B5 with respect to B2?

- (a) Second to the left (b) Second to the right
(c) Immediate left (d) Immediate right

RRB NTPC 03.04.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question sitting arrangement is as follows—



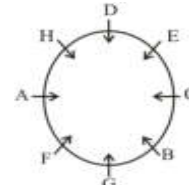
Hence, it is clear that B5 is sitting second to the left of B2.

131. A, B, C, D, E, F, G and H are sitting around a circular table facing towards the centre (Not necessarily in the same order). F is the neighbour of G. A sits second to the left of G. B sits third to the left of D. Only two persons sit between A and B. E sits second to the left of H. B is not neighbour of H. C is the neighbour of B. What is the position of C with respect of F ?

- (a) Third to the right (b) Second to the left
(c) Immediate left (d) Immediate right

RRB NTPC 31.07.2021 (Shift-II) Stage Ist

Ans. (a) : The sequence of sitting of A, B, C, D, E, F, G and H around a circular table is as follows—



Hence, it is clear from the above sitting arrangement that C is third to the right with respect to F.

132. Read the given instructions carefully and answer the question that follows.

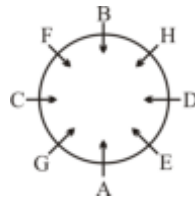
Eight people – A, B, C, D, E, F, G and H are sitting at a round table facing each other. A is between E and G, whereas G is sitting second to the right of F. H is between D and B and is second to the left of F. A and B are sitting opposite each other. Who is sitting between E and H?

- (a) F (b) D
(c) B (d) C

RRB NTPC 23.01.2021 (Shift-II) Stage Ist



Ans. (b) : According to the question sitting arrangement is as follows—

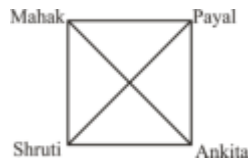


Hence, it is clear from the above seating arrangement that D is sitting between E and H.

133. Four friends, Ankita, Shurti, Payal and Mahak are sitting at a rectangular table, each at one corner, Ankita is sitting to the right of Shurti, Who is sitting diagonally opposite to, Payal. Where is Ankita sitting with respect to Mahak?
- (a) Directly opposite (b) Immediate right
(c) Diagonally opposite (d) Immediate Left

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question sitting arrangement is as follows—



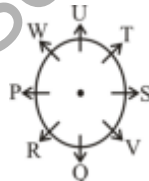
Hence, Ankita is sitting diagonally opposite with respect to Mahak.

134. Eight friends P, Q, R, S, T, U, V and W are sitting around a circular table facing opposite to the centre (not necessarily in the same order). Q is third to the right of T and second to the left of P. Only two friends are sitting between U and V and V is not the neighbour of P or T. W is second to the right of R. Which of the following statement is correct?

- (a) W is to the immediate right of Q
(b) P is to the immediate left of R
(c) S is to the immediate left of T
(d) V is to the immediate right of S

RRB NTPC 09.02.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question sitting arrangement is as follows—



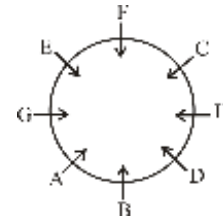
Hence, option (d) (V is to the immediate right of S) is correct.

135. Eight persons A, B, C, D, E, F, G and H are sitting at a circular table facing the centre, (not necessarily in the same order). Two persons sit between F and D. H is not an immediate neighbor of A or F. A sits third to the right of F. Three persons sit between H and G. C sits second to the left of E. Who sits third to the right of D ?

- (a) E (b) A
(c) H (d) F

RRB NTPC 11.03.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question sitting arrangement is as follows—



Hence, F sits third to the right of D.

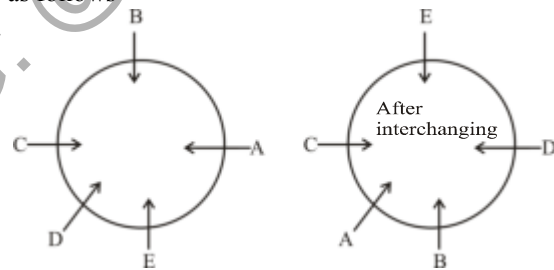
136. Read the following paragraph carefully and answer the question given below :

Five friends A, B, C, D and E are sitting around a round table in the canteen. They are sitting in the order of B, A, E, D and C from right to left. After some time E interchanges his position with B and A interchanges with D. Where is D sitting now ?

- (a) Between C and A (b) Between E and A
(c) Between E and B (d) Between C and B

RRB NTPC 12.03.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question sitting arrangement is as follows—



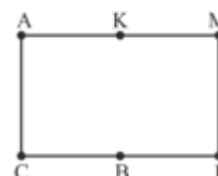
Hence, D is sitting between E and B.

137. Six persons A, B, C, K, L and M are sitting on a table facing each other. Three of them are facing the north and the rest are facing the south. A is not opposite to L who is at any of the extreme end positions. K is at one of the middle positions and at immediate right to M. C is at one of the extreme end positions. A is not opposite to K. C and L are on the same side. Who is adjacent to B on the right side ?

- (a) L (b) A
(c) K (d) M

RRB NTPC 14.03.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question sitting arrangement is as follows—



Hence, L sits just right of B.



138. Read the information carefully and answer the following questions.

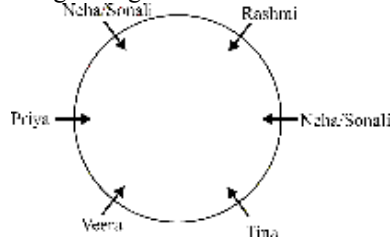
Six girls are sitting in a circle facing to the centre of the circle. They are Priya, Neha, Rashmi, Sonali, Tina and Veera. Tina is not between Neha and Sonali but some other one. Priya is immediate to the left of Veera. Rashmi is 4th to the right of Priya.

What is the position of Tina?

- Just next to the right of Neha
- Second to the left of Priya
- Between Neha and Rashmi
- To the immediate right of Veera

RRB NTPC 27.04.2016 Shift : I

Ans. (d) Sitting arrangement is as follows -



Hence, it is clear from above Tina is sitting to the right of Veera.

Instructions (139-141) : Read the following part and answer the question based on it.

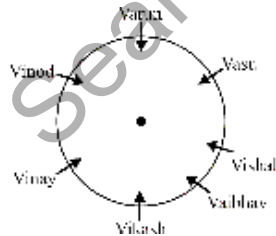
- Vinay, Vinod, Vikas, Vasu, Vaibhav, Varun and Vishal are sitting facing the centre in a circle.
- Vasu is third to the right of Vikash.
- Varun is second to the left of Vinay.
- Vaibhav is third to the right of Vinod and not the immediate neighbour of Varun.

139. Who is immediately to the right of Vikash ?

- Vinay
- Vishal
- Vaibhav
- Vasu

RRB NTPC 26.04.2016 Shift : II

Ans. (c) The sitting arrangement of all the people is as follows:



Hence, the immediate right of Vikas is Vaibhav.

140. Who is the second from the right of Vinod ?

- Vaibhav
- Vasu
- Vishal
- Vikas

RRB NTPC 26.04.2016 Shift : II

Ans. (d) Vikas is the second from the right of Vinod

141. Who is the third from the left of varun ?

- Vaibhav
- Vasu
- Vishal
- Vikas

RRB NTPC 26.04.2016 Shift : II

Ans. (a) Vaibhav is the third from Varun's left.

Instructions (142-144) : Read the following part and answer the question based on it.

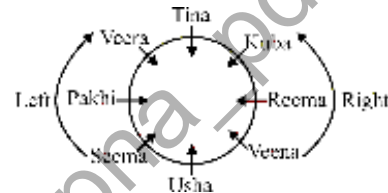
- Pakhi, Kuba, Reema, Seema, Tina, Usha, Veena and Veera are sitting facing the centre in a circle.
- Kuba is third to the right of Usha.
- Tina is second to the left of Pakhi and third to the right of Veena.
- Seema is second left of Veena and immediately right of Pakhi.
- Seema is second to the right of Veera which is immediately to the right of Tina.

142. Who is the second to the right of Pakhi ?

- Usha
- Seema
- Veena
- Kuba

RRB NTPC 22.04.2016 Shift : III

Ans. (a)



Usha is the second to the right of Pakhi.

143. What is Reema's position with reference to Veera.

- right third
- left fourth
- left fifth
- left third

RRB NTPC 22.04.2016 Shift : III

Ans. (d) Reema's position is third to the left of Veera.

144. Who is the immediate left to Tina ?

- Reema
- Veera
- Kuba
- Usha

RRB NTPC 22.04.2016 Shift : III

Ans. (c) Tina's immediate left is Kuba.

Instructions (145-147): Read the following part carefully and answer the question.

- Radha, Rekha, Rakhi, Ragini, Rashmi, Reema and Renu are sitting facing the centre in a circle.
- Reema is not next to Rashmi.
- Radha is immediately right to Ragini.
- Rekha is second to the left of Reema.
- Radha is the third to the left of Renu.

145. Which one of the following pairs of pair has the first person sitting immediately to the left of the second?

- Radha-Reema
- Rakhi-Rekha
- Reema-Rakhi
- Ragini-Rashmi

RRB NTPC 22.04.2016 Shift : II

Ans. (c) The seating arrangement is as follows,



Hence, it is clear from above that Reema as per the figure is sitting immediately to the left of Rakhi



146. In which of the following groups is the first person sitting between the other two persons?

- (a) Reema-Rashmi-Radha
(b) Rakhi-Ragini-Reema
(c) Renu-Rekha-Ragini
(d) Renu-Rekha-Rakhi

RRB NTPC 22.04.2016 Shift : II

Ans. (b) The above figure shows that Rakhi is sitting between Ragini and Reema.

147. Who is the second to the left of Ragini?

- (a) Reema (b) Rakhi
(c) Radha (d) Rashmi

RRB NTPC 22.04.2016 Shift : II

Ans. (a) The above picture shows that there is second Reema from the left of Ragini.

Instructions (148-150): Answer the question based on the following information.

Six friends Prem, Kazi, Hrithik, Sunny, Tinu and Utkarsh are sitting around a hexagonal table. Each is sitting on a corner. All of them are facing the center. Prem is second to the left of Utkarsh. Kazi is the neighbour of Hrithik and Sunny. Tinu is second to the left of Sunny.

148. Who is the fourth person to the left of Kazi?

- (a) Prem (b) Utkarsh
(c) Hrithik (d) Sunny

RRB NTPC 11.04.2016 Shift : III

Ans. (a) The seating arrangement is as follows,



The fourth person to the left of Kazi is Prem.

149. Who is sitting in front of Tinu?

- (a) Hrithik (b) Kazi
(c) Prem (d) Sunny

RRB NTPC 11.04.2016 Shift : III

Ans. (b) Kazi is seated in front of Tinu.

150. Which of the following are the neighbour of Prem?

- (a) Utkarsh and Sunny (b) Tinu and Hrithik
(c) Utkarsh and Hrithik (d) Tinu and Utkarsh

RRB NTPC 11.04.2016 Shift : III

Ans. (b) Prem's neighbours are Hrithik and Tinu.

Instruction- (151-153) Eight friends Rita, Priya, Sita, Arti, Sahil, Sameer, Vishwas and Anil are all around each other in a circular table. Rita's husband sits on the other side of the table from Rita's place. Priya's husband and Priya's closest friend sits right/left immediate to Rita.

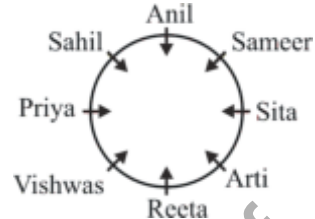
Sameer is sitting to the immediate left of Anil and to the right of the third chair from Rita's place. Arti is sitting to the immediate right of Rita and she is to the left of Sameer's wife. Arti and Sahil are the only two unmarried people in this group.

151. In which of the following options is the first person sitting to the immediate right of the other person?

- (a) Priya, Sahil (b) Aarti, Priya
(c) Sita, Sameer (d) Sahil, Anil

RRB NTPC 18.01.2017 Shift : III

Ans. (d) The seating arrangement is as follows,



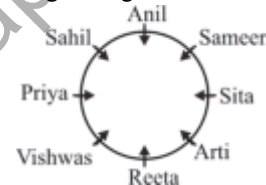
According to the above picture the first person (Sahil) is sitting to the immediate right of the second person (Anil).

152. Which of these husbands does Rita has?

- (a) Anil (b) Vishwas
(c) Sahil (d) Sameer

RRB NTPC 18.01.2017 Shift : III

Ans. (a) The seating arrangement is as follows,



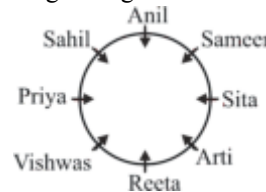
According to the above picture Rita's husband is Anil.

153. Which of the these statements is true?

- (a) Sahil is sitting on the other side of the table opposite Arti.
(b) Sameer is the only person between Arti and Anil.
(c) Sahil is second to the right of Arti.
(d) Sita sits third to the left of Vishwas.

RRB NTPC 18.01.2017 Shift : III

Ans. (a) The seating arrangement is as follows,



Hence, option (a) is true.

Direction (154-156) P, W, Q, X, R, Y, Z and S sit randomly in a circle facing each other. Consider the following information and questions based on it.

- Y sits exactly between Q and R
- P does not sit next to either X or Z
- Z is to the immediate right of Q
- S sits third from the left of X and the right of Y

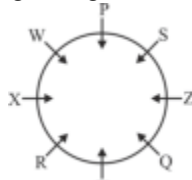
154. Who sits to the left of S ?

- (a) Z (b) X (c) P (d) Q

RRB NTPC 30.03.2016 Shift : I



Ans. (a) The seating arrangement is as follows,



Hence, Z sits to the left of S.

155. X sits between :

- (a) R and Q (b) W and R
(c) Q and Y (d) S and W

RRB NTPC 30.03.2016 Shift : I

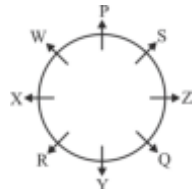
Ans. (b) X sits between W and R.

156. If they all were facing outside the circle, W would be to the left of ?

- (a) X (b) S
(c) P (d) CND

RRB NTPC 30.03.2016 Shift : I

Ans. (c) If their faces are outside the circle.



Then W is immediate to the left of P.

Instruction (157-159) Use the following paragraph for questions based on it.

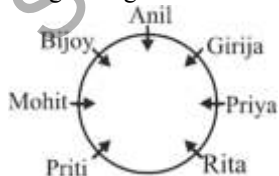
Priya, Mohit, Girija, Preeti, Bijoy, Anil and Rita are sitting around the circular table facing the table. Rita who is unmarried, sits second on the left side of her best friend Girija, who sits next to her husband Anil. Priya is third to the left of her husband Bijoy. Mohit is sitting between his wife Preeti and Bijoy.

157. Which of the following is correct?

- (a) Girija is third on the left side of Bijoy.
(b) Priya is immediate to the right of Rita.
(c) Preeti is second to the right of Priya.
(d) Rita is third on the left side of Mohit.

RRB NTPC 02.04.2016 Shift : I

Ans. (b) The seating arrangement is as follows,



Hence, Priya is immediate to right of Rita.

158. Which of the following places belong to Anil's?

- (a) Fourth from Preeti's right side
(b) Just to the left of Girija
(c) Between Rita and Mohit
(d) Right side of Priya

RRB NTPC 02.04.2016 Shift : I

Ans. (a) Hence, Anil is fourth on the right side of Preeti.

159. In which of the following sequence the first person is not sitting just right to the second person?

- (a) Mohit, Bijoy (b) Anil, Girija
(c) Rita, Bijoy (d) Priya, Rita

RRB NTPC 02.04.2016 Shift : I

Ans. (c) Hence, Rita is not sitting to the right of Bijoy.

Instruction (160-162) Study the information given below and answer the question based on it.

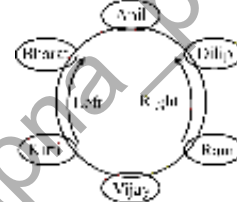
- (i) Six friends Anil, Bharat, Ram, Dilip, Kirti and Vijay each is seated in a circle facing each other.
(ii) Anil is between Bharat and Dilip and Vijay is between Ram and Kirti.
(iii) Ram is third to the left of Bharat.

160. Which of the following is Anil's position the reference of Vijay?

- (a) Second from right (b) Third from right
(c) Second from left (d) First from left

RRB NTPC 17.01.2017 Shift-I

Ans. (b) The seating arrangement is as follows,



So, Anil is third in reference of Vijay from both right and left.

161. Who is between Dilip and Vijay?

- (a) Anil (b) Bharat
(c) Kirti (d) Ram

RRB NTPC 17.01.2017 Shift-I

Ans. (d) Hence, there is Ram between Vijay and Dilip from above.

162. Who is between Bharat and Vijay?

- (a) Kirti (b) Dilip
(c) Anil (d) Ram

RRB NTPC 17.01.2017 Shift-I

Ans. (a) Hence, there is Kirti between Bharat and Vijay from above.

Type-3 : Sequence Arrangement Based on Series

163. How many 7s are there in the following series which are not immediately followed by 3 but immediately preceded by 8?

898762263269732872778747794

- (a) 1 (b) 7
(c) 3 (d) 8

RRB NTPC 03.02.2021 (Shift-II) Stage Ist

Ans. (c) : 8 9 8 7 6 2 2 6 3 2 6 9 7 3 2 8 7 2 7 7 8 7 4 7 7 9 4

In the given series three (3), '7' are such which are not immediately followed by 3 but immediately preceded by 8.

164. How many such consonants are there in the following sequence, each of which is immediately followed by a vowel but not preceded by a number?

T R B 5 0 % U 7 C 4 # K F \$ 2 U E * 1 8 I 2 3 V @ 9 I X @ L A B



- (a) One (b) More than three
(c) Two (d) Three

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (a) : T R B 5 0 % U 7 C 4 # K F \$ 2 U E * 1 8 I 2 3 V @ 9 I X @ L A B

It is clear that only one consonant is here in the following sequence, which is immediately followed by a vowel but not preceded by a number.

- 165. If all the special characters are dropped from the below arrangement, which of the following will be the 10th to the right of X?**

3 X ! B 9 # F 4 5 * 1 K 2 \$ 8 R S % Z

- (a) 8 (b) 2
(c) R (d) S

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (c) : On removing the special characters from the series—

3 X B 9 F 4 5 1 K 2 8 R S Z

Hence, it is clear that 'R' will be at 10th place from the right of X.

- 166. How many D's are there in the following series which are immediately followed by W but not immediately preceded by K?**

KDCWKDWNKGDWWDHKVDWZDW

- (a) 4 (b) 2
(c) 3 (d) 1

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (c) : KDCWKDWNKGDWWDHKVDW ZDW

The required (D) followed by W but not immediately preceded by K is '3'.

- 167. How many 3's are there in the given series that are followed by 9 and preceded by 8?**

1839793997634983974583968300775368265969

- (a) 5 (b) 4
(c) 1 (d) 3

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (d)

1839793997634983974583968300775368265969

In the above series there are three such 3 which are followed by 9 and preceded by 8.

- 168. In the following letter series, how many times does JKL occur in such a way that this sequence is followed by N?**

**BCNKLJJKLMJJKLQJKLMNJKLABJKLJ
KLMNJKLSKTKJLLKJNJKLJLTKLT**

- (a) 2 (b) 1
(c) 3 (d) 0

RRB NTPC 11.01.2021 (Shift-I) Stage Ist

Ans. (d) Given Series -

**BCNKLJJKLMJJKLQJKLMNJKLABJKLJJKLMNJKLS
KTKJLLKJNJKLJLTKLT**

In the given letter series, not a single time letters JKL comes in such a way that after it letter 'N' appears.

- 169. Study the following carefully and answer the question that follows.**

9 B Q = 5 R \$ J @ 4 * P & 9 M X # G

Which of the following symbols is exactly between B and X ?

- (a) @ (b) &
(c) * (d) \$

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (a) : Given equation

9 B Q = 5 R \$ J @ 4 * P & 9 M X # G

It is clear from above that @ will be just middle of B and X.

- 170. In the following series, how many times is the number 0 immediately followed by number 2?**

2132 50278020345202078

- (a) 3 (b) 6
(c) 5 (d) 4

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (a) : Given series -

2132 50278020345202078

So, 3 times 2 is immediately after 0.

- 171. How many such 4's are there in the following sequence which is neither immediately preceded by 6 nor immediately followed by 9?**

9466495947891649649

- (a) Five (b) Four
(c) Three (d) Two

RRB NTPC 29.01.2021 (Shift-I) Stage Ist

Ans. (d) : 946 6495 947 891649649

So, the required number is = 2

- 172. Study the following digit-letter-symbol series carefully and answer the question that follows.**

Np4@8cQ9%6TkF3 = 5g4&RwJX

How many such numbers are there in the sequence, each of which is immediately preceded by a letter and immediately followed by a symbol?

- (a) 7 (b) 6
(c) 5 (d) 4

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (d) : From the given digit letter symbol series—

N p 4 @ 8 c Q 9 % 6 T k F 3 = 5 g 4 & R w J X

Required numbers = 4

- 173. Study the following digit-letter-symbol series carefully and answer the question that follows.**

Np4@8cQ9%6TkF3 = 5g4&RwJX

Which character is 5th to the right of the 18th character from the right end?

- (a) T (b) 6
(c) k (d) F

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (a) : From question,

Np4@8cQ9%6TkF3 = 5g4&RwJX



Hence, Character 'T' is the 5th to the right of the 18th character from the right end.

- 174. In the following list of digits, how many 3 are immediately followed by 3 but not preceded by 3?**

2 9 6 3 3 4 5 7 8 3 3 3 4 6 2 3 3 3 3 8 6 2 3

- (a) 1 (b) 4
(c) 2 (d) 3

RRB NTPC 05.04.2021 (Shift-II) Stage Ist



Ans. (d) :

29633457833346233338623

So, the required number = 3

175. How many such digits are there in the following sequence, each of which of immediately preceded as well as immediately followed by a letter?

A B 7 C D 9 Z Y * P 2 M © K S 3 ↑ 5 N T ⑨

- (a) Two (b) Four
(c) Three (d) One

RRB NTPC 18.01.2021 (Shift-II) Stage Ist

Ans. (c) :

A B 7 C D 9 Z Y * P 2 M © K S 3 ↑ 5 N T ⑨

In given series 3 digit are as which is immediately preceded and immediately followed by a letter.

Hence, option (c) is correct.

176. In the following series, how many times is the number 8 not followed by the number 4 but is preceded by the number 5 ?

6 5 8 2 3 5 8 1 2 5 8 3 4 3 5 6 5 4 5 8 6 5 8 4 5 8

- (a) 2 (b) 4
(c) 5 (d) 3

RRB NTPC 11.01.2021 (Shift-II) Stage Ist

Ans. (c) : 65823581258343565458658458

Such number is 5 that the number 8 not followed by the number 4 but it is preceded by the number.

177. In the following series, how many times is 5 immediately preceded by 6 but not followed by 9?

8976597365432887776596546598765

- (a) 3 (b) 5
(c) 6 (d) 2

RRB NTPC 23.01.2021 (Shift-II) Stage Ist

Ans. (a) : Given series;

8 9 7 6 5 9 7 3 6 5 4 3 2 8 8 7 7 7 6 5 9 6 5 4 6 5 9 8 7 6 5

Required answer = 3

178. If all the numbers are dropped from the given arrangement, which of the following will be the ninth to the left of S?

2 R Q 4 A \$ I ^ 9 R # E % 8 S * P

- (a) \$ (b) Q
(c) I (d) A

RRB NTPC 27.01.2021 (Shift-II) Stage Ist

Ans. (b) : On dropping all the numbers in the given arrangement—

R Q A \$ I ^ R # E % S * P

Hence, the letter Q will come to ninth to the left of S.

179. How many 7 are there in the following series, which is immediately followed by 9 and is not just preceded by 5.

5 1 7 9 9 7 5 7 9 8 7 8 7 9 5 7 9

- (a) 6 (b) 1
(c) 2 (d) 4

RRB NTPC 29.03.2016 Shift : 3

Ans. (c) : Given series

5 1 7 9 9 7 5 7 9 8 7 8 7 9 5 7 9

Hence, required number = 2

180. How many 6's are there in the following sequence that are immediately preceded by 3 but not immediately followed by 0?

3 6 9 0 6 9 3 6 9 3 6 6 3 6 0 6 3 3 6 0

- (a) 8 (b) 3
(c) 5 (d) 6

RRB NTPC 30.03.2016 Shift : 1

Ans. (b) : Given Series;

3 6 9 0 6 9 3 6 9 3 6 6 3 6 0 6 3 3 6 0

Hence, required number = 3

181. How many 7 are there in the following series, which is immediately followed by 9 and is not just preceded by 5.

5 1 7 9 9 7 5 7 9 8 7 8 7 9 5 7 9

- (a) 6 (b) 1
(c) 2 (d) 4

RRB NTPC 29.03.2016 Shift : 3

Ans. (c) : 5 1 7 9 9 7 5 7 9 8 7 8 7 9 5 7 9

So, the Desired number = 2

182. How many 6's are there in the following sequence that are immediately preceded by 3 but not immediately followed by 0?

3 6 9 0 6 9 3 6 9 3 6 6 3 6 0 6 3 3 6 0

- (a) 8 (b) 3
(c) 5 (d) 6

RRB NTPC 30.03.2016 Shift : 1

Ans. (b) :

3 6 9 0 6 9 3 6 9 3 6 6 3 6 0 6 3 3 6 0

Hence required number = 3

Type-4 : Sequence Arrangement Based on Height/Length/ Weight etc.

183. Seven boxes of different colours, Red, Yellow, Blue, Green, Orange, Violet and Indigo were stocked one on the other, not necessarily in the same order. No other box was placed below the orange box. The Violet box was placed second to the top of the Blue box. The Green box was second to the bottom of the Indigo box. The Red box was placed at the topmost position. The Yellow box was exactly above the Indigo box. Which of the following is the correct pair of box and its position?

- (a) Violet box – 7th position from the top
(b) Green box – 3rd position from the top
(c) Blue box – 6th position from the top
(d) Yellow box – 5th position from the top

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)

Ans. (c) : According to the question,

Red
Yellow
Indigo
Violet
Green
Blue
Orange

Hence, it is clear from above that the blue box is on 6th place from the top.



184. Study the given information and answer the question that follows.

- (i) Six students P, Q, R, S, T and U are in a class.
- (ii) Q and R are lighter than U but taller than P.
- (iii) S is taller than Q and heavier than R.
- (iv) T is lighter than S but heavier than U
- (v) U is taller than S.
- (vi) P is lighter than T but heavier than U.
- (vii) P is taller than T.

Who among the students is the shortest.

- (a) P
- (b) R
- (c) T
- (d) Q

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (c) : The order of length of students is as follows—

$U > S > Q/R > R/Q > P > T$

It is clear from above sequence that T is shortest.

185. Seven students A, B, C, D, E, F and G take a series of test. No two students get the same marks. A always scores more than B. G always scores more than A. Each time either C scores the highest and E scores the least or D scores the highest and F or B scores the least.

If D is ranked sixth and B is ranked fifth according to their marks, then which of the following can be true?

- (a) F is ranked third or fourth
- (b) A is ranked second or seven
- (c) G is ranked first or fourth
- (d) E is ranked fourth or third

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (a) : $A > B$ (i)

$G > A$ (ii)

$C > F/B > E$ (iii)

Arranging the order of rank according to question—

$C > G > F/A > A/F > B > D > E$

Hence it is clear that F is ranked third or fourth

186. Six teams DD, MI, RCB, KKR, RR and CSK are compared on the basis of the number of matches won by them in 2019. DD won more matches than RR and RCB but less matches than MI and CSK. KKR won more matches than MI but less matches than CSK.

Who won the most numbers of matches?

- (a) MI
- (b) CSK
- (c) KKR
- (d) RCB

RRB NTPC 05.04.2021 (Shift-I) Stage Ist

Ans. (b) :

$MI > DD > RR$ — (i)

$CSK > DD > RCB$ — (ii)

$CSK > KKR > MI$ — (iii)

On writing all the equation together.

$CSK > KKR > MI > DD > RR > RCB$ (iv)

It is clear from the equation (iv) most number of the matches won by CSK.

187. In a group of 5 friends J, K, L, M and N all scored different marks J scored higher marks than L and N, but less marks than K and M, K scored more marks than M. L did not score the least marks. Who scored the least marks?

- (a) K
- (b) M
- (c) J
- (d) N

RRB NTPC (Stage-II) –14/06/2022 (Shift-II)

Ans. (d) : Order of marks of 5 friends is as follows—

$K > M > J > L > N$

Hence, 'N' got least marks.

188. Five people C, D, X, Y and Z each scored different marks in the same test. All scores are in whole numbers only. D scored the second lowest and D's score was 40. X scored more than D but less than the one who scored 45.45 was not the highest score. C's score is an even number. C did not score the least. Y scored 6 marks less than Z. Which of the following can be a possible score of C?

- (a) 46
- (b) 44
- (c) 38
- (d) 42

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (a) : To determine the mark of C, D, X, Y and Z according to the question is as follows—

$C \rightarrow 46$ even number ($\because C > 45$)

$Z \rightarrow 45$

$X \rightarrow D < X < Z$

$D \rightarrow 40$ mark second lowest

$Y \rightarrow 39$

There among the given option only option (a) has the value greater than 45,

Hence, It is clear that 46 can be a possible score of C.

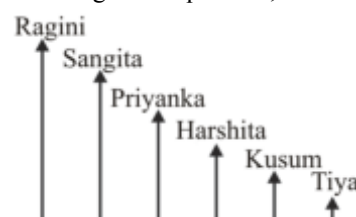
189. Six girls Harshita, Priyanka, Kusum, Ragini, Sangita and Tiya, each has a different age. Only three girls are older than Harshita. Only four girls are younger than Sangita. Priyanka is younger than Sangita and older than Harshita. Tiya is the youngest among all. Kusum is not the oldest among all.

Who amongst the following is NOT older than Harshita?

- (a) Ragini
- (b) Priyanka
- (c) Sangita
- (d) Kusum

RRB NTPC (Stage-II) –16/06/2022 (Shift-II)

Ans. (d) : According to the question,



Hence, it is clear from above that age of Kusum is not older than Harshita.



190. In a class, there are four students - Ravindra, Shiva, Triveni and Nagesh, who want to be selected in the basketball team. All of them have different heights. Nagesh is shorter than Ravindra but taller than Triveni, Shiva is shorter than Nagesh but taller than Triveni. If the coach wants to select the tallest student among them, then who will be selected?

(a) Nagesh or Ravindra (b) Shiva
(c) Triveni (d) Ravindra

RRB NTPC (Stage-II) -12/06/2022 (Shift-II)

Ans. (d) : The descending order on the basis of their height is as follows-

Ravindra > Nagesh > Shiva > Triveni

It is clear from above diagram that Ravindra is the tallest.

So Ravindra will be selected in the basketball team.

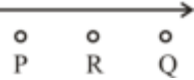
191. P, Q and R are standing in a queue one behind the other in increasing order of heights such that the shortest is at the front and the tallest at the back. R is neither the first in the queue nor the tallest person. P is NOT standing behind R. Who is the shortest person among them?

(a) P (b) Either P or R
(c) R (d) Q

RRB NTPC (Stage-II) -13/06/2022 (Shift-I)

Ans. (a) : The correct order of standing of the three persons is as follows-

Ascending order of length



Hence P is the shortest person.

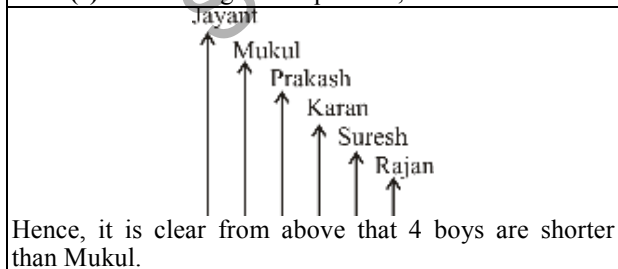
192. There are six boys, Mukul, Rajan, Jayant, Suresh, Prakash and Karan, each having different heights. Mukul is not the tallest among all. Only three boys are taller than Karan and only three boys are shorter than Prakash. Suresh is taller than Rajan but shorter than Karan.

How many boys are shorter than Mukul?

(a) 3 (b) 2
(c) 4 (d) 1

RRB NTPC (Stage-II) -13/06/2022 (Shift-II)

Ans. (c) : According to the question,



Hence, it is clear from above that 4 boys are shorter than Mukul.

193. S is shorter than N, P is taller than S, Q is taller than N but shorter than H, N is taller than P. Who will be exactly in the middle if they stand in a row according to height?

(a) Q (b) N
(c) H (d) P

RRB NTPC (Stage-II) -17/06/2022 (Shift-III)

Ans. (b) : Descending order of height is given as

$H > Q > N > P > S$

Hence, N will be exactly in the middle.

194. Six persons- D, E, K, L, S and T each have different height. E is taller than only two persons. T is taller than E, but smaller than D. Neither D nor K is the tallest. S is younger than T but not the youngest. How many persons are taller than L.

(a) One (b) More than two
(c) Two (d) None

RRB NTPC (Stage-II) -15/06/2022 (Shift-II)

Ans. (d) : Order of height of six persons is as follows -

$L > D > T > E > S > K$

It is clear that L is the largest person, so none of the person is taller than L.

195. If A is taller than B and B is taller than C, D is shorter than B but taller than C, then D is:

(a) The shortest
(b) Taller than C
(c) Taller than A and B
(d) Taller than B

RRB NTPC 08.01.2021 (Shift-II) Stage Ist

Ans. (b) : The order of length according to the question is as follows -

$A > B > D > C$

It is clear from above sequence that D is taller than C.

196. 7 members A, B, C, D, E, F and G are going to office in a particular order (not necessarily in the same order). C reached the office in the end. None of them reached the office at the same time. At least 3 members reached the office after G. E reached the office just after A and G reached the office just after E. F reached the office just before A but didn't reached the office after D.

Who among them reached the office first?

(a) D (b) G
(c) F (d) B

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (c) : According to question, order of reaching office is as follow -

$F > A > E > G > D/B > B/D > C$

It is clear from above order that F reaches office first.

197. Read the given information carefully and answer the question that follows.

Six students P, Q, R, S, T and U are the top six rank holders in a school. The rank of Q is between the Rank of R and S. Rank of Q is fourth. There are two students between the ranks of T and S. Among them the rank of T is the lowest. The rank of U is just above the rank of P. Who, among these ranks is fifth?

(a) R (b) T
(c) P (d) S

RRB NTPC 03.03.2021 (Shift-II) Stage Ist



Ans. (a) : According to the question,

Student	Rank
U	1 st
P	2 nd
S	3 rd
Q	4 th
R	5 th
T	6 th

Hence, it is clear that the rank of R is fifth in six students.

198. There are five girls in a group, K is second tallest. P is taller than M. R is taller than M. N is taller P. Which of the following sequence about their height is not possible?

- (a) $N > K > P > R > M$
 (b) $R > K > N > P > M$
 (c) $R > K > P > N > M$
 (d) $N > K > R > P > M$

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (c) : Given,

K – Second tallest
 $P > M$
 $R > M$
 $N > P$

It is clear that sequence of option (c) is not possible

199. A, B, C, D, E and F get different marks in an exam. B obtained highest third place. E obtained greater than C only. A obtained greater than D but less than F. If F gets 94 marks and the person at third place gets 80 marks, then marks obtained by a is:

- (a) 75 (b) 91
 (c) 96 (d) 60

RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (b) : According to the question-

$F > A > B > D > E > C$
 $\downarrow \quad \downarrow$
 94 80

It is clear that A got less than 94 and more than 80 marks. So, option (b) is correct.

200. If Mohan is taller than Sohan, Ramesh is shorter than Mohan and Sangeeta is taller than Tulika but shorter than Sohan, then who among them is the tallest?

- (a) Sangeeta (b) Mohan
 (c) Ramesh (d) Sohan

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (b) : The ascending order of height of the given persons will be as follows.

$Tulika < Sangeeta < Sohan < Mohan > Ramesh$

Hence, it is clear that Mohan will be the tallest person.

201. Ram is twice as old as Sohan, but twice younger than rohan. Ravi is half the age of sohan, but twice the age of Rohit. who is the oldest?

- (a) Ravi (b) Sohan
 (c) Rohan (d) Ram

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (c) : Let the age of sohan be x.

Then according to the question,

Rohan's age = $4x$

Sohan's age = x

Ram's age = $2x$

Ravi's age = $x/2$

Rohit age = $x/4$

Therefore, $Rohan > Ram > Sohan > Ravi > Rohit$

So among these, Rohan will be the oldest.

202. Rahul is older than Shashi but not as old as Kavita. Kavita is older than both Shashi and Ashok. Ashok is younger than Shashi but older than Monika. Who is the youngest among them?

- (a) Monika (b) Rahul
 (c) Shashi (d) Ashok

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (a) : The order of their age is

$Kavita > Rahul > Shashi > Ashoka > Monika$

Hence, Monika is youngest amongs all.

203. Five friends P, Q, R, S and T are compared on the basis of their height (not necessarily in the same order). Height of T is between P and Q. T is taller than S. R's height is more than P and T. Which of the following sequence of their height cannot be possible?

I. $R > P > T > Q > S$

II. $R > S > Q > T > P$

III. $Q > R > T > S > P$

- (a) I and III (b) II and III
 (c) Only I (d) Only II

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (d) : Correct sequence $\rightarrow S < Q < T < P < R$

Fact I is true in the same order/sequence and fact III is also true according to the question. But in fact II, T is shown as shorter than S whereas in question, T is taller than S. So, option (d) is correct answer.

204. 1. Banana price is more than that of lychee.

2. Banana price is less than that of kiwi.

3. Kiwi Price is more than that of banana and lychee.

If both, 1 and 2 statements are true, and then third are:

- (a) vague (b) uncertain
 (c) false (d) true

RRB NTPC 04.01.2021 (Shift-I) Stage Ist

Ans. (d) : According to the question-

Bananas > Lychee _____ (i)

Kiwi > Bananas _____ (ii)

Now the decreasing order of price of Kiwi Banana and Lychee, $Kiwi > Bananas > Lychee$ _____ (iii)

If both statement 1 and 2 are true then the third statement will also be true.

205. There are five friends X, Y, Z, U and V. They are compared on the basis of height. Height of no two friends is same. U is shorter than Y but taller than X. Z is the tallest. X is taller than V. Who is the third tallest?

- (a) Y (b) U
 (c) V (d) X

RRB NTPC 04.02.2021 (Shift-I) Stage Ist



Ans. (b) : According to the question on arranging the height is as follows-

$$V < X < U < Y < Z$$

Hence, U will be the third tallest person.

206. Vicky is taller than Hrithik. Hrithik is taller than Aman. Anil is taller than Abhay. Abhay is taller than Hrithik. Who among them is the shortest?

- (a) Aman (b) Abhay
(c) Vicky (d) Anil

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (a) According to the question on arranging the height is as follows-

$$\text{Vicky} > \text{Anil} > \text{Abhay} > \text{Hrithik} > \text{Aman}$$

Hence, it is clear that Aman is the shortest.

207. The scores of four cricket players are as follows:

Mohan scored more than Narender but less than Pankaj. Kamal scored more than Narender but less than Mohan. Who scored the higher?

- (a) Mohan (b) Pankaj
(c) Narender (d) Kamal

RRB NTPC 04.03.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question:-

The order of score is-

$$\text{Pankaj} > \text{Mohan} > \text{Kamal} > \text{Narendra}$$

So, It is clear from above that Pankaj made highest score.

208. In a group of boys, Rohan is not as strong as Zeeshan. Mathew is stronger than Paul. Subhash is weaker than Rohan but stronger than Paul. Akhil is as strong as Zeeshan but weaker than Sujeet. Mathew is not as strong as Rohan. Who is the strongest among the given group of boys?

- (a) Sujeet (b) Akhil
(c) Mathew (d) Zeeshan

RRB NTPC 05.03.2021 (Shift-I) Stage Ist

Ans. (a) : Given-

$$\text{Zeeshan} > \text{Rohan}$$

$$\text{Mathew} > \text{Paul}$$

$$\text{Rohan} > \text{Subhash} > \text{Paul} \quad [< = \text{Stronger}]$$

$$\text{Sujeet} > \text{Akhil} = \text{Zeeshan}$$

$$\text{Rohan} > \text{Mathew}$$

Correct Order →

$$\text{Sujeet} > \text{Akhil} = \text{Zeeshan} > \text{Rohan} > \text{Subhash/Mathew} > \text{Pawl}$$

Hence, it is clear from above subject is the strongest one.

209. Eight boxes A, B, C, D, E, F, G and H are placed one above another (not necessarily in the same order). Only two boxes are placed between B and E. H is placed immediately below E. Only one box is placed between G and C. Only one box is placed between G and A. B is placed above D and H. More than one box are placed between C and F.

How many boxes are placed between F and C?

- (a) 5 (b) 3
(c) 4 (d) 2

RRB NTPC 27.03.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question



(2 boxes are placed between F and C).

210. E is older than C, D is older than C but younger than E, A is younger than B and C, C is older than B. Who is the youngest.

- (a) C (b) B
(c) D (d) A

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question-

$$E > D > C > B > A$$

Hence, it is clear that A is the youngest.

211. If Sohan is taller than Mohan but shorter than Geeta and Mohan is as tall as Meghna but taller than Komal, the Meghna is:

- (a) Taller than Geeta
(b) Shorter than Komal
(c) Shorter than Sohan
(d) Shorter than Mohan

RRB NTPC 12.01.2021 (Shift-II) Stage Ist

Ans. (c) : The descending order of their height is as follows -

$$\text{Geeta} > \text{Sohan} > \text{Mohan} = \text{Meghna} > \text{Komal}$$

Hence, Meghna is shorter than Sohan.

212. Five athletes Deepak, Aslam, Raju, Joni and Monu took part in a race. Joni finished before Raju but he is behind Monu. Aslam finished before Deepak but he is behind Raju. Who came third in the race?

- (a) Aslam (b) Raju
(c) Joni (d) Deepak

RRB NTPC 12.01.2021 (Shift-II) Stage Ist

Ans. (b) : Ranks of athletes in Race -

$$\text{Monu} > \text{Joni} > \text{Raju} > \text{Aslam} > \text{Deepak}$$

$$(1) \quad (2) \quad (3) \quad (4) \quad (5)$$

Hence, it is clear that Raju came third place in the race.

213. Among five friends, Ravi is taller than Anand but he is not as tall as Sunil. Rohit is taller than Sonu but shorter than Anand. Who is the shortest in their group?

- (a) Sunil (b) Rohit
(c) Sonu (d) Anand

RRB NTPC 12.01.2021 (Shift-II) Stage Ist

Ans. (c) : Descending order of their height is as follows

$$\text{Sunil} > \text{Ravi} > \text{Anand} > \text{Rohit} > \text{Sonu}$$

Hence, it is clear that Sonu is the shortest in group.



214. Ram runs faster than Sumit whereas Sumit runs faster than Hardik and Tarun. After a training of three months Hardik will be able to beat Ram. But Tarun would not be able to beat even Sumit. If a competitive race takes place after three months training, which of the following could be the sequence of the top three runners?

(a) Hardik, Ram and Sumit
(b) Ram, Hardik and Sumit
(c) Ram, Sumit and Hardik
(d) Hardik, Ram and Tarun

RRB NTPC 13.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question,
Before training = Ram > Sumit > Hardik & Tarun
After training = Hardik > Ram > Sumit > Tarun

215. Vijay is taller than Raju but shorter than Arun. James is taller than Arun. Sam is taller than Vijay but shorter than Arun. Raju is shorter than Sam. Who is shortest of all in the group.

(a) Sam (b) Arun
(c) Raju (d) Vijay

RRB NTPC 29.01.2021 (Shift-I) Stage Ist

Ans. (c) : The descending order of length is follows as –
James > Arun > Sam > Vijay > Raju
So, it is clear that Raju is the shortest.

216. There are 6 contestants in a beauty pageant. Model Q is taller than Model A but shorter than Model E. Model X is not as tall as Model E but is taller than Model I. Model F is taller than Model I but shorter than Model Q. Who among the following is the tallest?

(a) Model Q (b) Model E
(c) Model F (d) Model A

RRB NTPC 22.02.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question,
The order of length is as follows – E > X > Q > F > I > A
Hence, it is clear that Model E is the tallest.

217. Five chocolate cakes labelled A, B, C, D and E are made by a baker. D is not as sweet as B. A is sweeter than E but not as sweet as D. B is sweeter than C. Which of the following is the sweetest?

(a) E (b) D
(c) B (d) C

RRB NTPC 03.03.2021 (Shift-II) Stage Ist

Ans. (c) : The order of decreasing sweetness of chocolate is follows as –
B > D > A > E
and B > C
Hence, B is sweetest.

218. P, Q, R, S, T, U and V are seven students in a class. They are compared on the basis of their height. T is shorter than S but taller than U. U is taller than P. R and Q are shorter than V but taller than S.

Which of the following sequence of their height can be possible?

(a) V > R > Q > S > T > U > P
(b) V > Q > R > T > S > U > P
(c) V > R > Q > U > T > S > P
(d) V > Q > R > S > T > P > U

RRB NTPC 01.04.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question, the sequence of height of the students is as follows –

V > R > Q > S > T > U > P

Hence, option (a) is correct.

219. K is shorter than N but taller than M, J is taller than K but shorter than N. Who is the youngest among K, N, M and J?

(a) M (b) N
(c) J (d) K

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question, the descending order of their height is as follows –

N > J > K > M

It is clear that 'M' is the youngest.

220. Read the given information and answer the question that follows.

i. In an examination, Mayank got higher marks than Sheetal.
ii. Sheetal got higher marks than Rohit.
iii. Sheetal got higher marks than Tanya.
iv. Tanya got less marks than Praveen.
v. Arya got higher marks than Mayank.
vi. Rohit got more marks than both Tanya and Praveen.

Who has achieved the highest marks in the examination?

(a) Praveen (b) Mayank
(c) Arya (d) Sheetal

RRB NTPC 21.03.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,

Mayank	>	Sheetal
Sheetal	>	Rohit
Sheetal	>	Tanya
Praveen	>	Tanya
Arya	>	Mayank
Rohit	>	Tanya and Praveen

Therefore the decreasing order of marks gained by all candidate is as follows –

Arya > Mayank > Sheetal > Rohit > Praveen > Tanya
Hence Arya got the highest marks in the examination.

221. Six students B, D, F, U, V and X are compared on the basis of their marks. X scored more marks than only two students. B scored more marks than F but less than U. If F scored more marks than X, then who scored the highest marks?

(a) D (b) B
(c) U (d) V

RRB NTPC 18.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question –

X scores more marks than only 2 students and B's marks more than F but less than U.

U > B > F > X > D > V

Hence, it is clear that U scored highest marks.



222. The ages of 6 girls P, Q, R, S, T and U are compared. S is older than R and U but younger than P. Only one girl is older than T. Which of the following sequence of their ages is not a possible (in descending order of their ages from the left) ?

- (a) Q, T, S, P, R, U (b) P, T, S, R, U, Q
(c) Q, T, P, S, R, U (d) P, T, Q, S, R, U

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question,

$Q > T > P > S > R, U$

or

$P > T > S > R, U > Q$

or $P > T > Q > S > R, U$

Therefore, it is clear that option (a) $Q > T > S \nrightarrow P > R, U$ is not possible.

223. An apple tree is taller than a lemon tree. A papaya tree is shorter than a palm tree. A mango is shorter than the papaya tree but taller than the apple tree. Which is the tallest tree?

- (a) Mango tree (b) Palm tree
(c) Papaya tree (d) Apple tree

RRB NTPC 30.01.2021 (Shift-II) Stage Ist

Ans. (b) : On arranging the length of trees according to the statement,

Palm tree > Papaya > Mango > Apple > Lemon

Hence, Palm tree is the tallest tree.

224. Out of the six cities, Aliganj is bigger than Sewa Nagar, Hari Nagar is bigger than Nand Nagri, Jaitpur is smaller than Hari Nagar but bigger than Sewa Nagar, Sewa Nagar is smaller than Nand Nagri but bigger than Rampur. Which is the smallest city?

- (a) Nand Nagri (b) Sewa Nagar
(c) Jaitpur (d) Rampur

RRB NTPC 27.02.2021 (Shift-II) Stage Ist

Ans. (d) : Aliganj > Sewa Nagar _____ (i)

Hari Nagar > Nand Nagri _____ (ii)

Hari Nagar > Jaitpur > Sewa Nagar _____ (iii)

Nand Nagri > Sewa Nagar > Rampur _____ (iv)

It is clear that Rampur is the smallest city.

Instructions (225-227): Read the following questions and answer the questions based on it.

- (i) Amy, Bella, Sera, Diya, Emma and Phila are 6 students in a class.
(ii) Emma and Diya are smaller than Amy but heavier than Phila.
(iii) Sera is heavier than Emma and taller than Diya.
(iv) Bella is smaller than Sera but taller than Amy.
(v) Amy is heavier than Sera.
(vi) Phila is smaller than Bella but taller than Amy.

225. Who is the smallest of these ?

- (a) Bella (b) Sera
(c) Diya (d) Phila

RRB NTPC 28.04.2016 Shift : I

Ans. (c) The decreasing order by weight

Amy > Sera > Emma > Dia > Phila

Length wise decreasing order

Sera > Bela > Phila > Amy > Emma > Diya

So Diya is the smallest among the given option.

226. Which of the following group is smaller than Phila ?

- (a) Sera, Bella, Amy (b) Amy, Emm, Diya
(c) Bella, Amy, Emma (d) Sera, Bella, Emma

RRB NTPC 28.04.2016 Shift : I

Ans. (b) Amy, Emma, younger than Phila.

227. Who will be the fourth in order from the top. If they are placed in descending order of their length.

- (a) Sera (b) Amy
(c) Diya (d) Emma

RRB NTPC 28.04.2016 Shift : I

Ans. (b) Keeping the lengths in descending order Amy would be in fourth order.

Instructions (228-230) : Consider the following information and answer the question based on it.

Suresh is taller than Ramesh who is shorter than Rakesh. Jinesh is taller than the youngest but shorter than Rakesh. Pritesh is taller than Suresh but shorter than Jinesh.

228. Who is the smallest ?

- (a) Rakesh (b) Ramesh
(c) Pritesh (d) Suresh

RRB NTPC 19.04.2016 Shift : I

Ans. (b)

Suresh > Ramesh

Rakesh > Ramesh

Rakesh > Jinesh

Jinesh > Ramesh (Smallest person)

Pritesh > Suresh

Jinesh > Pritesh

Descending order of length

Rakesh > Jinesh > Pritesh > Suresh > Ramesh

So Ramesh is the smallest.

229. Which statement, among the following, is correct ?

- (a) Suresh is taller than Jinesh.
(b) Pritesh is smaller than Rakesh.
(c) Jinesh is taller than Rakesh.
(d) Ramesh is taller than Pritesh.

RRB NTPC 19.04.2016 Shift : I

Ans. (b) It is clear from the question so that Pritesh is smaller than Rakesh.

230. If Jayesh who is taller than Suresh joins the group, who will be fourth, if they are arranged in a descending order ?

- (a) Jayesh (b) Jinesh
(c) Pritesh (d) Cannot be determined

RRB NTPC 19.04.2016 Shift : I

Ans. (d) It is clear from question so that Jayesh is taller than Suresh but it is not certain whether he is taller or smaller than Rakesh, Jinesh and Pritesh.

So who is in the fourth position cannot be determined.



Type-5: Sequence Arrangement Based on English Dictionary and Meaningful Words

231. Select the word that will come in the middle if the given words are arranged in the order in which they would appear in an English dictionary.

Sports → Spoil → Spouse → Spit → Sparrow

- (a) Sports (b) Spouse
(c) Spit (d) Spoil

RRB NTPC 12.01.2021 (Shift-I) Stage Ist

Ans. (d) : On arranging the given words according to order of English Dictionary.

Sparrow → Spit → Spoil → Sports → Spouse
It is clear that middle word is Spoil.

232. Which option has the words arranged in the order in which they appear in an English dictionary?

- (a) Antipathy → Apology → Branch → Antigen → Antique
(b) Antigen → Antipathy → Antique → Apology → Branch
(c) Antigen → Antique → Antipathy → Apology → Branch
(d) Antigen → Antique → Apology → Antipathy → Branch

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (b) : The words given in option (b) are arranged in the order in which they appear in English dictionary.

Antigen → Antipathy → Antique → Apology → Branch

233. Which of the given options arranges the following in a logical order.

A. Bihar B. Nagaland C. Uttar Pradesh D. Rajasthan E. Assam

- (a) C → D → A → E → B
(b) C → D → B → A → E
(c) D → C → E → A → B
(d) D → C → A → E → B

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (d) : The states are arranged (in order) from west to east.

Rajasthan → Uttar Pradesh → Bihar → Assam → Nagaland
(D) (C) (A) (E) (B)

Hence, option (d) is correct.

234. Which of the following will be the correct sequence of the words if they are arranged as their order in an English dictionary?

- (a) Pigment → Pile → Pilgrim → Pillow
(b) Pile → Pilgrim → Pigment → Pillow
(c) Pillow → Pilgrim → Pigment → Pile
(d) Pigment → Pile → Pillow → Pilgrim

RRB NTPC 12.01.2021 (Shift-II) Stage Ist

Ans. (a) : On arranging the given word according to English dictionary.

Pigment → Pile → Pilgrim → Pillow

235. From the given options, select the one in which the following are arranged in the most meaningful order.

1. Paint 2. Plan 3. Furnish 4. Build 5. Live

- (a) 2, 1, 4, 3, 5 (b) 2, 4, 5, 1, 3
(c) 2, 3, 5, 1, 4 (d) 2, 4, 1, 3, 5

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (d) : On arranging the given words in a meaningful order—

Plan → Build → Paint → Furnish → Live
(2) (4) (1) (3) (5)

Hence, the meaningful sequence is 2, 4, 1, 3, 5.

236. From the given options, select the one in which the following are arranged in the most meaningful order.

1. Cosmos 2. Earth 3. Milky Way 4. Human

- (a) 1, 3, 2, 4 (b) 1, 2, 3, 4
(c) 1, 2, 4, 3 (d) 1, 3, 4, 2

RRB NTPC 17.01.2021 (Shift-II) Stage Ist

Ans. (a) : On arranging the given words in a meaningful order.

Cosmos → Milky way → Earth → Human
(1) (3) (2) (4)

Hence, the meaningful order will be 1, 3, 2, 4

237. Arrange the following in a meaningful sequence:

A. Disease
B. treatment
C. Infection
D. Recovery
E. Diagnosis

- (a) C → A → E → B → D
(b) A → C → B → D → E
(c) D → B → E → B → D
(d) C → E → A → B → D

RRB NTPC 05.02.2021 (Shift-I) Stage Ist

Ans. (a) : The meaningful sequence is—

Infection → Disease → Diagnosis → Treatment → Recovery
(C) (A) (E) (B) (D)

Hence, option (a) is correct.

238. Arrange the following words in the order in which they appear in an English dictionary.

1. Prophet 2. Prong

3. Propensity 4. Propose

- (a) 2, 1, 3, 4 (b) 2, 3, 1, 4
(c) 1, 2, 3, 4 (d) 4, 3, 2, 1

RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (b) : On arranging the given words according to the English dictionary.

Prong → Propensity → Prophet → Propose
2 3 1 4

Hence, option (b) is correct.



239. What will be the correct sequence of the following words if they are arranged as per their order in an English Dictionary?

Process, Possess, Purpose, Propose

- (a) Possess, Purpose, Propose, Process
(b) Possess, Process, Purpose, Propose
(c) Possess, Process, Propose, Purpose
(d) Possess, Propose, Process, Purpose

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (c) : The order of the words according to the English dictionary is as follows-

Possess, Process, Propose, Purpose

Hence, option (c) is correct.

240. Arrange the following words in a meaningful sequence.

A. Selection

B. Practice

C. Audition/Trial

D. Stage performance

E. Rehearsal

- (a) B, A, C, E, D (b) C, A, B, E, D
(c) C, A, E, B, D (d) B, D, A, D, E

RRB NTPC 05.04.2021 (Shift-II) Stage Ist

Ans. (b) : The meaningful order of the word is as follows-

Audition/Trial → Selection → Practice → Rehearsal → Stage performance

C A B E D

Hence, option (b) is correct.

241. Arrange the following words in the order in which they would appear in an English language dictionary.

1. Scenery, 2. Science, 3. Scandal, 4. School, 5. Scatter

- (a) 3, 5, 1, 4, 2 (b) 5, 3, 4, 2, 1
(c) 5, 3, 2, 1, 4 (d) 3, 5, 4, 1, 2

RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (a) : On arranging the given words according to the English dictionary,

(3) Scandal → (5) → Scatter → (1) Scenery → (4) School → (2) Science

Hence, correct order → 3, 5, 1, 4, 2

242. Give the correct sequences of the following ranges of the Himalayas from north to south.

1. Ladakh 2. Zaskar 3. Karakoram

4. Pir Panjal.

- (a) 4,2,1,3 (b) 1,3,2,4
(c) 3,1,2,4 (d) 1,2,3,4

RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (c) : The correct sequence of the following ranges of the Himalayas from north to south.

Karakoram → Ladakh → Zaskar → Pir panjal

3 1 2 4

Hence, option (c) is correct.

243. Among the following words, which one will come in the middle if they are arranged as per their order in an English dictionary?

1. Dance 2. Degree 3. Dare
4. Dear 5. Development

- (a) Degree (b) Dare
(c) Dear (d) Dance

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (c) : On arranging the given words according to the English dictionary.

Dance > Dare > **Dear** > Degree > Development

Hence, the word 'Dear' will come in the middle.

244. Among the following words, which one will come third if they are arranged as per their order in an English dictionary?

Sententious, Sentimentally, Sentinel, Sentence

- (a) Sententious (b) Sentimentally
(c) Sentinel (d) Sentence

RRB NTPC 25.01.2021 (Shift-II) Stage Ist

Ans. (b) : On arranging the given words according to the English dictionary.

Sentence → Sententious → Sentimentally → Sentinel

Hence, 'Sentimentally' will come at third.

245. Among the following words, which one will come last if they are arranged as per their order in an English dictionary?

Keep, King, Keen, Kite, Knight

- (a) Keen (b) Keep
(c) Knight (d) King

RRB NTPC 28.01.2021 (Shift-I) Stage Ist

Ans. (c) : On arranging the given words according to the English dictionary.

Keen, Keep, King, Kite, Knight

Hence, Knight will come in last.

246. Arrange the following word in the order in which they appear in an English dictionary.

1. Bird 2. Birth
3. Brow 4. Bat
5. Blow

- (a) 45321 (b) 41253
(c) 41523 (d) 43215

RRB NTPC 15.03.2021 (Shift-II) Stage Ist

Ans. (b) : On arranging the given words according to their order in the English dictionary-

Bat (4) → Bird (1) → Birth (2) → Blow (5) → Brow (3)

Hence, option (b) is correct.

247. Arrange the given words in alphabetical order

A. mild B. moderate
C. severe D. profound

- (a) A, C, B, D (b) A, D, B, C
(c) A, B, C, D (d) A, B, D, C

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (d) : mild → moderate → profound → severe

A B D C



17.

Calendar/Clock

Type-1 : Problems Based on Date and Day

1. It was Thursday of February 1, 2007. What was the day of the week on February 2, 2006?

(a) Wednesday (b) Thursday
(c) Saturday (d) Friday

RRB NTPC (Stage-II) –12/06/2022 Shift-I

Ans. (b) : \because 2006 and 2007 both are not leap year
Hence February will be 28.

\therefore 1 February 2007 \rightarrow Thursday

$\downarrow -1$

1 February 2006 \rightarrow Wednesday

Then, 2 February 2006 \rightarrow Thursday

2. Assuming 8th March 2013 was a Wednesday. What day of the week was 8th March 2014?

(a) Wednesday (b) Thursday
(c) Tuesday (d) Monday

RRB NTPC (Stage-II) –14/06/2022 (Shift-I)

Ans. (b) : Given,

8th March 2013 \rightarrow Wednesday

\because 2014 is an ordinary year, so 8th March 2014 will be one day ahead of 8th March 2013

Hence, 8th March 2014 = Wednesday + 1 = Thursday.

3. If it was Wednesday on Rahul's birthday in the year 2005, then what will be the day of the week on his next birthday?

(a) Friday (b) Saturday
(c) Tuesday (d) Thursday

RRB NTPC (Stage-II) –15/06/2022 (Shift-II)

Ans. (d) : Rahul's birthday in 2005 will be on Wednesday.

So next year Rahul's birthday will be on Thursday.

In each subsequent year, the birthday is ahead of one day and in leap year it goes ahead by 2 days.

4. Assuming that it is Wednesday on 5th August 1994 then which day of the week will be on 2nd September 1995?

(a) Tuesday (b) Thursday
(c) Wednesday (d) Monday

RRB NTPC (Stage-II) –15/06/2022 (Shift-III)

Ans. (b) : Given,

5 August 1994 \rightarrow Wednesday

2 September 1995 \rightarrow ?

Neither 1994 nor 1995 is a leap year

\therefore From 5 Aug 1994 to 5 Aug 1995 = Wednesday + 1 day = Thursday

Number of odd days from 5 August to 2 September, 1995.

$$\Rightarrow \frac{26+2}{7} = 0 \text{ (odd days)}$$

Hence, Thursday will be on 2nd September 1995.

5. What will be the number of days between 21 July 2003 and 10 March 2004 (Excluding both dates)?

(a) 230 (b) 236
(c) 232 (d) 234

RRB NTPC 10.01.2021 (Shift-I) Stage Ist

Ans. (c) : No. of days in July = 10

No. of days in Aug = 31

No. of days in Sept = 30

No. of days in Oct = 31

No. of days in Nov = 30

No. of days in Dec = 31

No. of days in Jan = 31

No. of days in Feb = 29 (2004 is leap year)

No. of days in March = 9

Total no. of days = (10 + 31 + 30 + 31 + 30 + 31 + 31 + 29 + 9) = 232

6. If today (23/02/2012) is Thursday, then what day will it be after 91 days?

(a) Friday (b) Wednesday
(c) Tuesday (d) Thursday

RRB NTPC 27.03.2021 (Shift-II) Stage Ist

Ans. (d) : The day of 23/02/2012 = Thursday (Given)

Number of days in 1 week = 7

$$\text{Number of odd days} = \frac{91}{7} = 0$$

Then, it will be the Thursday after 91 days from today.

7. If 15 March 2015 was a Monday, then 10 July 2015 will be what day?

(a) Saturday (b) Friday
(c) Monday (d) Sunday

RRB NTPC 13.03.2021 (Shift-II) Stage Ist

Ans. (a) : 15 March, 2015 \Rightarrow Monday (Given)

10 July, 2015 \Rightarrow ?

Total number of odd days from 15 March to 10 July 2015

$$\Rightarrow \frac{16+2+3+2+10}{7} = \frac{33}{7}$$

Number of odd days = 5 days

10 July, 2015 \Rightarrow Monday + 5 days

\Rightarrow Saturday

8. Consider 4th March to be a Wednesday in 2018. What day of the week will it be on 7th March in 2019?

(a) Monday (b) Tuesday
(c) Sunday (d) Wednesday

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (c) : If March 4, 2018 \rightarrow Wednesday

Then March 4, 2019 \rightarrow will be Thursday

Similarly, March 7, 2019 \rightarrow Thursday + 3 = Sunday



9. If today is a Tuesday, what will be the 64th day from today?

(a) Tuesday (b) Wednesday
(c) Thursday (d) Friday

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (b) : If today is Tuesday,

$$\text{Number of odd days in 64 days} = \frac{64}{7} = 1 \text{ odd day}$$

So, 64th day = Tuesday + 1 = Wednesday

10. If 31 December 2015 was a Thursday, what would be the day on 1 July, 2020?

(a) Wednesday (b) Tuesday
(c) Sunday (d) Monday

RRB NTPC 12.02.2021 (Shift-I) Stage Ist

Ans. (a) : Increasing one year, one extra days added but two extra days added in leap year.

So, total extra days from 31 December, 2015 to 31 December, 2019.

2016 = 2 Extra days (Leap year)

2017 = 1 Extra days

2018 = 1 Extra days

2019 = 1 Extra days

Extra days from January to 1 July in 2020.

$$= 3+1+3+2+3+2+1 = 15$$

So total extra days = 15 + 5 = 20

$$\text{odd days} = \frac{20}{7} = 6$$

So, day on 1 July 2020 → Thursday + 6 = Wednesday.

11. If 1 Aug 2016 was Monday, what would be the day on 1 Aug 2012?

(a) Thursday (b) Friday
(c) Tuesday (d) Wednesday

RRB NTPC 12.02.2021 (Shift-I) Stage Ist

Ans. (d) : 1 extra day increase or increment in normal year but in leap year 2 extra days.

So,

1 August, 2016 was Monday. (Leap year)

1 August, 2015 was Saturday.

1 August, 2014 was Friday.

1 August, 2013 was Thursday.

1 August, 2012 was Wednesday.

Type-2 : Problems based on the angle between the hands of a clock

12. At 10:00 O' Clock the hands of clock form an acute angle and a reflex angle. Find the reflex angle.

(a) 60° (b) 120°
(c) 180° (d) 300°

RRB NTPC 04.04.2016 Shift : 2

Ans : (d) : According to the question,

$$\text{Angle made by minute needle at 10:00 O' clock} = 12 \times 30^\circ = 360^\circ$$

$$\text{Angle made by hour needle} = 10 \times 30^\circ = 300^\circ$$

$$\text{Difference of angle made by hour and minute needle} = 360^\circ - 300^\circ = 60^\circ$$

$$\therefore \text{Reflex angle} = 360^\circ - 60^\circ = 300^\circ$$

13. How many degrees does the hour-hand and the minute-hand make at 10:00 O' Clock?

(a) 30° (b) 45°
(c) 60° (d) 90°

RRB NTPC 28.03.2016 Shift : 2

Ans. (c) : The angle subtended by the clock needle = 360°

$$\text{The angle made by hour needle in one hour} = \frac{360}{12} = 30^\circ$$

So, the time between 10 and 12 is 2 hour. Then the angle draws at 10 O, clock = 2 × 30 = 60°



Type-3 : Miscellaneous

14. Ramu and Ravi met in the market on 5th of a month. Ramu goes to the market every 4th day and Ravi goes every 5th day. On what day of the month will they meet again?

(a) 14th day (b) 20th day
(c) 10th day (d) 25th day

RRB NTPC 19.01.2021 (Shift-I) Stage Ist

Ans. (d) : Ramu and Ravi met in the market on 5th of a month.

According to the question-

$$\boxed{5}, 6, 7, 8, \boxed{9}, \boxed{10}, 11, 12, \boxed{13}, 14, \boxed{15}, \\ 16, \boxed{17}, 18, 19, \boxed{20}, \boxed{21}, 22, 23, 24, \boxed{25}$$

$$\left\{ \begin{array}{l} \square \rightarrow \text{Ramu} \\ \circ \rightarrow \text{Ravi} \end{array} \right.$$

Hence, they will meet again on 25th day of a month.

15. How many times the second-hand will rotate in a clock from 7:30 am to 12:00 pm?

(a) 240 (b) 300
(c) 270 (d) 330

RRB NTPC 05.04.2016 Shift : 2

Ans. (c) : Second hand completes one round in 1 minute.

Total time from 7:30 am to 12:00 pm.

$$= 4\frac{1}{2} \text{ hour} = \frac{9}{2} \times 60 = 270 \text{ minutes}$$

So the second hand rotates 270 rounds in 270 minutes.



18. Line and Figure Counting

Type-1 : Problems Based on Counting of Triangles

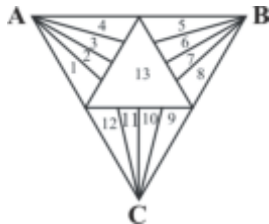
1. Find the number of triangles in the diagram given below:



- (a) 29 (b) 32
(c) 31 (d) 30

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (b) :



Triangles made by 1 digits = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

Triangles made by two-digits = (1, 2) (2, 3) (3, 4) (5, 6) (6, 7) (7, 8) (9, 10) (10, 11) (11, 12)

Triangles made by 3 digits = (1, 2, 3) (2, 3, 4) (5, 6, 7) (6, 7, 8) (9, 10, 11) (10, 11, 12)

Triangles made by 4 digits = (1, 2, 3, 4) (5, 6, 7, 8) (9, 10, 11, 12)

Triangles made by every number = $\triangle ABC$

Total number of triangles = $13 + 9 + 6 + 3 + 1 = 32$

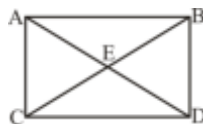
2. How many triangles are there in the given figure?



- (a) 8 (b) 12
(c) 10 (d) 6

RRB NTPC 20.01.2021 (Shift-I) Stage Ist

Ans. (a) :



No. of Δ = AEC, CED, DEB, BEA, ADC, CBD, ABD, BCA.

Therefore No. of Δ are 8.

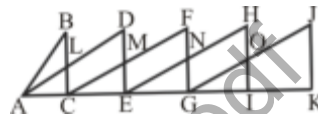
3. Find the total number of triangles in the given figure.



- (a) 10 (b) 13
(c) 12 (d) 15

RRB NTPC 08.03.2021 (Shift-II) Stage Ist

Ans. (a) :



Total number of triangles in the given figure is-
ABC, ADE, CFG, EHI, GJK, ALC, CME, ENG, GOI, ABL = 10

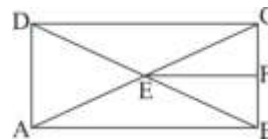
4. The given figure contains how many triangles.



- (a) 12 (b) 9
(c) 6 (d) 10

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

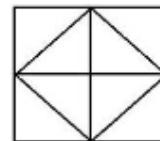
Ans. (d) :



{ $\triangle ABC$, $\triangle ABD$, $\triangle AED$, $\triangle AEB$, $\triangle BEC$, $\triangle CED$, $\triangle ADC$, $\triangle BDC$, $\triangle BEF$, $\triangle CEF$ }

The number of triangles in the given figure is 10.

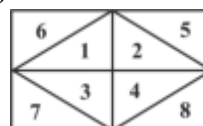
5. Count the number of triangles in the following figure.



- (a) 12 (b) 10
(c) 16 (d) 9

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (a) :

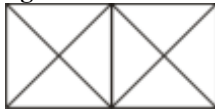


Number of Triangles = 1, 2, 3, 4, 5, 6, 7, 8 (1, 2) (3, 4) (1, 3) (2, 4)

Hence the number of triangle are 12.



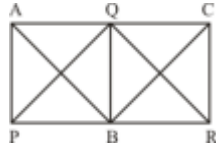
6. How many triangles are there in the following figures?



- (a) 18 (b) 22
(c) 20 (d) 16

RRB NTPC 04.01.2021 (Shift-I) Stage Ist

Ans. (a) :



Total number of triangles in the first square = 8
Total number of triangles in the second square = 8
Other triangles in squares = ($\triangle ABC$, $\triangle PQR$)
So, total number of triangles = $(8 + 8 + 2) = 18$

7. How many triangles are there in the given diagram?



- (a) 7 (b) 9
(c) 10 (d) 8

RRB NTPC 19.01.2021 (Shift-I) Stage Ist

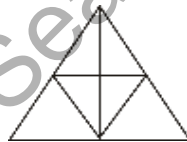
Ans. (b) :

Triangles formed by one digit = 1, 2, 3, 4
Triangles formed with two digits = (1,2), (3,4), (2,5), (3,6)



Triangles formed with 4 digits = (1, 2, 3, 4)
 \therefore Now, Total number of triangles = $4 + 4 + 1 = 9$
Hence, option (b) is correct.

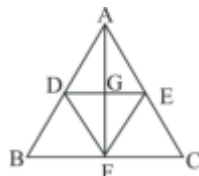
8. Find the number of triangles in the given figure.



- (a) 11 (b) 7
(c) 9 (d) 13

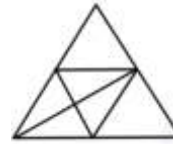
RRB NTPC 19.01.2021 (Shift-II) Stage Ist

Ans. (d) :



Total number of triangles = $\triangle ABC$, $\triangle ABF$, $\triangle ACF$, $\triangle ADG$, $\triangle AEG$, $\triangle ADE$, $\triangle DFG$, $\triangle EFG$, $\triangle FDE$, $\triangle AFE$, $\triangle ADF$, $\triangle BDF$, $\triangle EFC = 13$ triangles

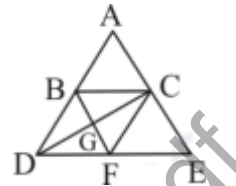
9. How many triangles does this figure have?



- (a) 11 (b) 13
(c) 15 (d) 9

RRB NTPC 22.01.2021 (Shift-I) Stage Ist

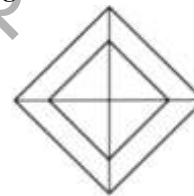
Ans. (b) :



Triangles in given figure = $\triangle ABC$, $\triangle BDF$, $\triangle CFE$, $\triangle BFC$, $\triangle BCD$, $\triangle CDE$, $\triangle ACD$, $\triangle BCG$, $\triangle ACGF$, $\triangle DGF$, $\triangle ADE$, $\triangle CFD$, $\triangle BGD$.

Hence, total number of triangles = 13

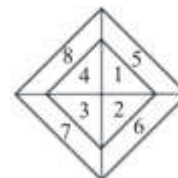
10. Find the total number of triangles in the following figure.



- (a) 20 (b) 12
(c) 16 (d) 8

RRB NTPC 22.01.2021 (Shift-II) Stage Ist

Ans. (c) :



No. of triangles.

= 1, 2, 3, 4, (1,2), (2,3), (3,4), (4,1),
(1,5), (2,6), (3,7), (4,8), (1,2,5,6),
(3,4,7,8), (2,3,6,7), (1,4,5,8)
= 16

Hence, total no. of triangles = 16

11. Find the number of the triangles in the given figure.

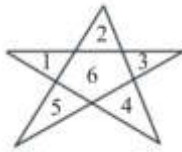


- (a) 8 (b) 5
(c) 6 (d) 10

RRB NTPC 23.01.2021 (Shift-I) Stage Ist



Ans. (d) :



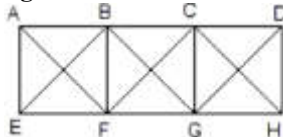
Triangles made from one digit = 1, 2, 3, 4, 5

Triangles made from three digits = (1, 6, 3), (2, 6, 5)

(1, 6, 4), (5, 6, 3), (2, 6, 4)

Hence, Total number of triangles = 5 + 5 = 10

12. Find the number of triangles in the given figure.



(a) 28

(b) 26

(c) 24

(d) 29

RRB NTPC 28.01.2021 (Shift-II) Stage Ist

Ans. (a) :



Triangle made of one-digit = 12

Triangle made of two-digits = (1,2) (2,3) (3,4) (1,4) (5,6) (6,7) (7,8) (8,5) (9,10) (10,11) (11,12) (12,9) = 12

Triangle made of four digits = (2,3,5,6) (6,7,9,10) (4,3,5,8) (8,7,9,12) = 4

Total number of triangles = 12 + 12 + 4 = 28

13. How many triangles are there in the following figure?



(a) 8

(b) 16

(c) 12

(d) 20

RRB NTPC 30.01.2021 (Shift-II) Stage Ist

Ans. (b) :



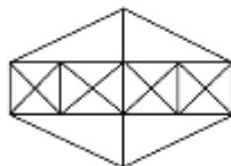
Triangle made from one digit = 1, 2, 3, 4, 5, 6, 7, 8 = 8

Triangle made from two digits = (1,2) (3,4) (5,6) (7,8) = 4

Triangle made from four digits = (3,4,5,6) (8,7,6,5) (2,1,8,7) (1,2,3,4) = 4

Hence, Total no. of triangles in the figure = 8 + 4 + 4 = 16

14. Find the number of triangles in the figure given below :



(a) 46 triangles

(b) 44 triangles

(c) 40 triangles

(d) 42 triangles

RRB NTPC 11.03.2021 (Shift-II) Stage Ist

Ans. (b) : By joining the diagonals of a square/rectangle 8 triangle are formed.

Number of triangle formed from four different squares = 8+8+8+8 = 32

Number of triangles formed from joining two squares = 2+2+2 = 6

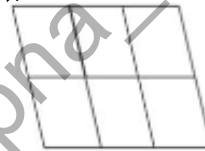
The number of triangles formed by dividing a triangle in to two parts is 3.

Number of triangles = 3 + 3 = 6

Total number of triangles = 32 + 6 + 6 = 44

Type-2 : Problems based on counting of Quadrilaterals/Pentagons /Rectangles

15. Count the number of parallelograms in the following figure.



(a) 16

(b) 20

(c) 14

(d) 18

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the figure,



Total number of parallelograms = 1, 2, 3, 4, 5, 6, (1, 2), (2, 3), (4, 5), (5, 6), (1, 4), (2, 5), (3, 6), (1, 2, 3), (4, 5, 6), (1, 2, 4, 5), (2, 3, 5, 6), (1, 2, 3, 4, 5, 6)

Hence, the total number of parallelograms are 18.

16. How many pentagons are there in the given figure?



(a) 3

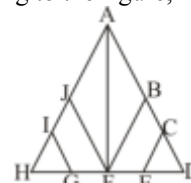
(b) 4

(c) 1

(d) 2

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (a) : According to the figure,

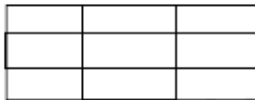


Pentagons \Rightarrow ACEFJ, AIGFB, AIGEC

Hence, total number of pentagons = 3



17. How many rectangles are there in the given figure?



- (a) 32 (b) 42
(c) 28 (d) 36

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (d) : In the given figure the number of rectangles is 36 which are as follows :

1	2	3
2		
3		

Total numbers of rectangles = (row × column)

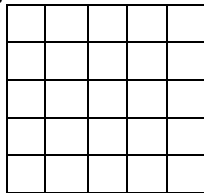
Total number of rows = 1 + 2 + 3 = 6

Total number of columns = 1 + 2 + 3 = 6

Total rectangles = 6 × 6 = 36

Type-3 : Problems Based on Counting of Squares

18. How many squares are there in the given figure?



- (a) 20 (b) 55
(c) 30 (d) 45

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Ans. (b) According to the question,

	1	2	3	4	5
1					
2					
3					
4					
5					

Rule of square = Row × column

Squares made from 1-1 squares = 5 × 5 = 25

Squares made from 2-2 squares = 4 × 4 = 16

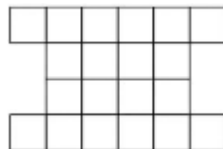
Squares made from 3-3 squares = 3 × 3 = 9

Squares made from 4-4 squares = 2 × 2 = 4

Squares made from 5-5 squares = 1

Total no. of squares = 25 + 16 + 9 + 4 + 1 = 55

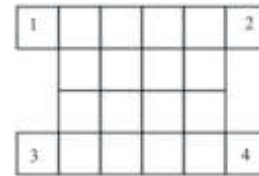
19. How many squares are there in the following figure?



- (a) 30 (b) 24
(c) 20 (d) 34

RRB NTPC 04.03.2021 (Shift-II) Stage Ist

Ans. (d) : Numbers of squares = $1^2 + 2^2 + 3^2 + \dots$



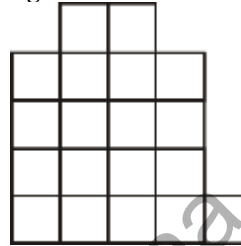
$$1^2 + 2^2 + 3^2 + 4^2$$

∴ In this big square contains 4 small squares.

$$\therefore 1^2 + 2^2 + 3^2 + 4^2 = 1 + 4 + 9 + 16 = 30$$

Hence, total number of squares = 30 + 4 = 34

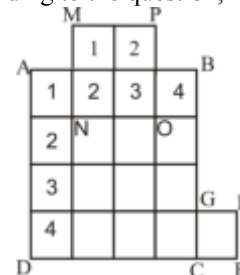
20. How many squares are there in the given figure?



- (a) 34 (b) 30
(c) 42 (d) 28

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question,



Total number of squares in shape ABCD = $1^2 + 2^2 + 3^2 + 4^2 = 30$

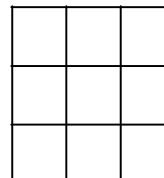
Total number of squares in square MNOP = $1^2 + 2^2 = 5$

(But 2 squares of this have been counted in the larger square (ABCD) so there are 5 - 2 = 3 Squares.

1 square will be EFGC.

So, total no. of squares = 30 + 3 + 1 = 34

21. Find the number of squares in the given figure.



- (a) 10 (b) 9
(c) 14 (d) 12

RRB NTPC 28.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the figure,

1	2	3
6	5	4
7	8	9



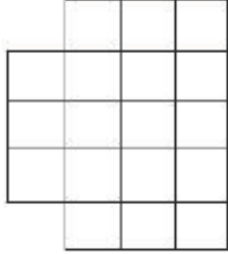
Square made of one digit = 9

Square made of four digits = (1, 2, 6, 5) (2, 3, 4, 5) (6, 5, 7, 8) (5, 4, 8, 9) = 4

Square made of 9 digits = 1

Hence, total number of squares = $9 + 4 + 1 = 14$

22. How many squares are there in the given figure?



- (a) 48 (b) 44
(c) 32 (d) 46

RRB NTPC 22.02.2021 (Shift-II) Stage Ist

Ans. (c) : From question-

	1	2	3
16	4	5	6
17	7	8	9
18	10	11	12
	13	14	15

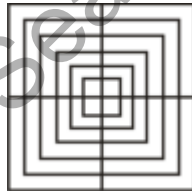
The number of squares made up of one-digit = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 = 18

The number of squares made up of four digits = (1, 2, 4, 5), (4, 5, 7, 8), (7, 8, 10, 11), (10, 11, 13, 14), (2, 3, 5, 6), (5, 6, 8, 9), (8, 9, 11, 12), (11, 12, 14, 15), (16, 4, 17, 7), (17, 7, 18, 10) = 10

The number of squares made up of nine digits = (1, 2, 3, 4, 5, 6, 7, 8, 9), (4, 5, 6, 7, 8, 9, 10, 11, 12), (7, 8, 9, 10, 11, 12, 13, 14, 15), (16, 4, 5, 17, 7, 8, 18, 10, 11) = 4

Hence, total number of squares = $18 + 10 + 4 = 32$

23. Find the number of squares in the given figure.



- (a) 36 (b) 41
(c) 30 (d) 29

RRB NTPC 09.03.2021 (Shift-I) Stage Ist

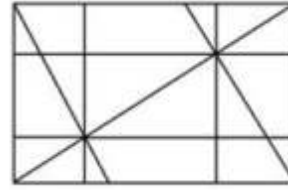
Ans. (c) : A structure formed by squares. Big squares are divided in four small squares. Each small square contains Six squares.

So, square formed by each four squares = $6 + 6 + 6 + 6 = 24$

Four small squares made 6 new square.
Hence, total number of squares = $24 + 6 = 30$

Type-4 : Problems Based on Counting of Lines/Rows

24. Find the total number of straight lines in the following figure.



- (a) 16 (b) 9
(c) 12 (d) 11

RRB NTPC 04.03.2021 (Shift-I) Stage Ist

Ans. (d) : It is clear from the given figure that total number of straight lines = 11

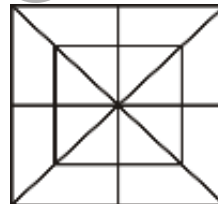
25. How many straight lines does a cuboid have?

- (a) 24 (b) 10
(c) 16 (d) 12

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (d) : There are 12 straight line in a cuboid.

26. What is the minimum number of straight lines in the following figure.



- (a) 12 (b) 13
(c) 14 (d) 16

RRB NTPC 02.03.2021 (Shift-I) Stage Ist

Ans. (a) : Total number of straight lines in two quadrilateral figures = $2 \times 4 = 8$

Number of straight lines between sides = 2

Diagonal straight lines = 2

Total number of straight lines = $8 + 2 + 2 = 12$

27. Find the number of straight lines required to make the given figure.



- (a) 15 (b) 18
(c) 17 (d) 16

RRB NTPC 14.03.2021 (Shift-I) Stage Ist

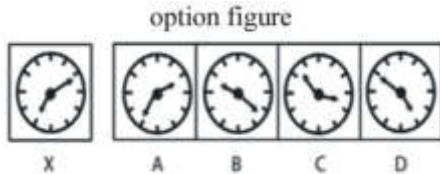
Ans. (c) : 17 straight lines are required to make the given figure.



19. Water and Mirror Image

Type-1 : Problems Based on Water Image of Figures

1. Select the mirror image of Figure X from the given option figures.



- (a) B (b) A
(c) D (d) C

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (c) : Correct mirror image of figure (X) is in option (c) which is figure (D).

2. Which of the following is a mirror image of the word ENCOURAGEMENT?

- (a) ENCOURAGEMENT
(b) ENCOURAGEMENT
(c) ENCOURAGEMENT
(d) ENCOURAGEMENT

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (a) : ENCOURAGEMENT is the correct mirror image of the word 'ENCOURAGEMENT'.

3. Choose the mirror image of CHIVALRY

- (a) CHIVALRY
(b) CHIVALRY
(c) CHIVALRY
(d) CHIVALRY

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (b) : The mirror image of CHIVALRY is given in option (b).

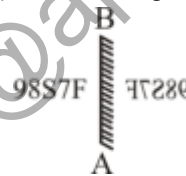
4. Select the correct mirror image of the given combination.

98S7F

- (a) 98S7F (b) 98S7F
(c) 98S7F (d) 98S7F

RRB NTPC 24.07.2021 (Shift-II) Stage Ist

Ans. (b) : Mirror image—

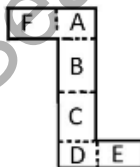


Hence, it is clear from above option (b) is correct.

20.

Cube/Cuboid/Dice

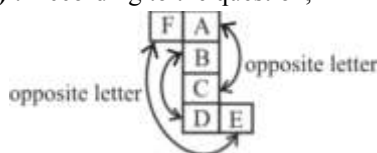
1. A cube is made by folding the given sheet. In the cube so formed, what would be the letter on the opposite side of the letter A?



- (a) E (b) B
(c) D (d) C

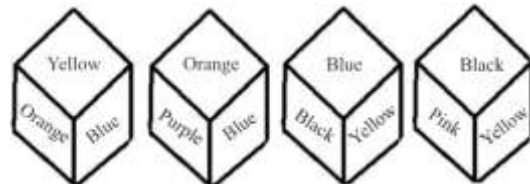
RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question,



It is clear from the above figure that letter C is the opposite side of the letter A.

2. Four different positions of a cube are shown in the figure. Which of the following colour is on the face opposite to the face that has black written on it?



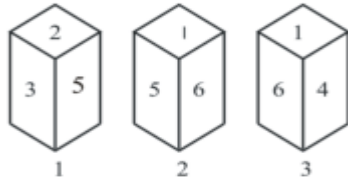
- (a) Pink (b) Blue
(c) Orange (d) Purple

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (c) : According to the rule of cube, if two depicted faces of two cubes are same, then the third faces will be opposite to each other. The first and third cube have two same faces, hence third faces of them will be opposite to each other. Hence opposite face of Black will be Orange.



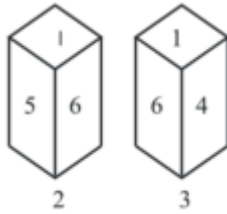
3. Three different positions of the same dice (figures 1, 2 and 3) are shown. Which digit is on the face opposite to the one having 5?



- (a) 6 (b) 4
(c) 3 (d) 1

RRB NTPC 25.01.2021 (Shift-I) Stage Ist

Ans. (b) :



If two faces of two dice are same then third face will be opposite to each other.

Hence the opposite of '5' will be '4'.

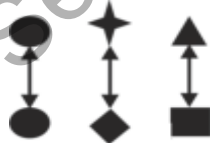
4. Three different positions of the same dice are shown. Select the pattern that will be on the face opposite to the one with the triangle



- (a) Diamond (b) Rectangle
(c) Circle (d) Star

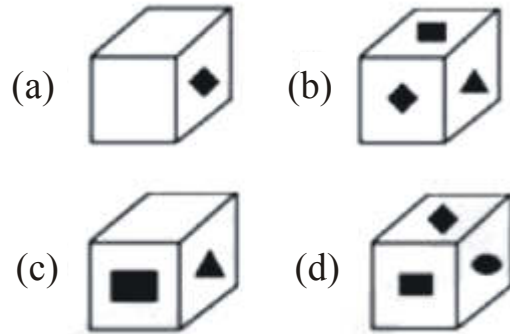
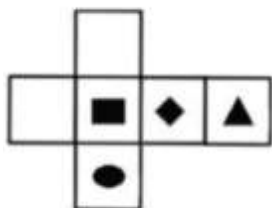
RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (b) : If any a dice two same faces then third is opposite to each other
From Dice I and II



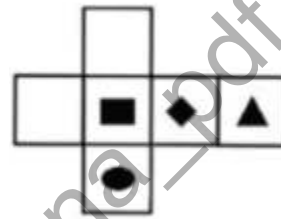
Hence, rectangle will appear on the opposite side of the triangle.

5. Select the box that can be formed by folding the given sheet along the lines.



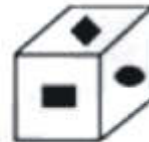
RRB NTPC 26.07.2021 (Shift-I) Stage Ist

Ans. (d) :



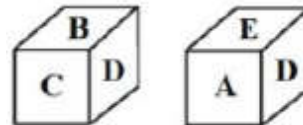
In open dice

■ ⇌ ▲ ■ ⇌ ◆ And ■ ⇌ ● (Opposite to each other)



Hence, option (d) can be formed by folding sheet along with the lines.

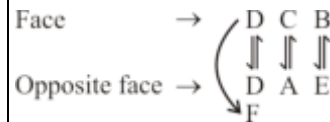
6. The positions of a cubical block with faces A, B, C, D, E and F are shown below. When F is at the top which face will be at the bottom?



- (a) D (b) B
(c) C (d) A

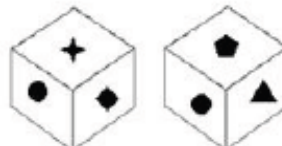
RRB NTPC 17.02.2021 (Shift-II) Stage Ist

Ans. (a) : According to the question on rotating the dice clockwise direction from D-



It is clear that opposite face of F is D.

7. Two positions of a rotated cube are shown below.



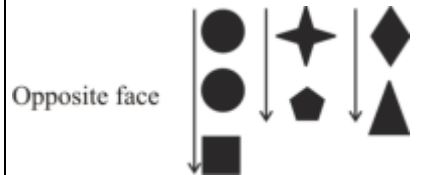


Which shape will be at the bottom, when is on the top?

- (a) (b)
(c) (d)

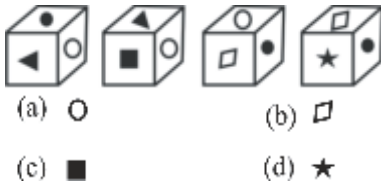
RRB NTPC 27.02.2021 (Shift-I) Stage Ist

Ans. (a) : From given cubes



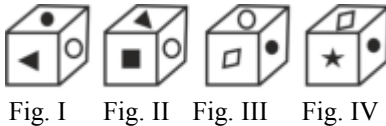
Hence, the opposite face of is .

8. Four different positions of a cube are shown. Which shape is on the face opposite to the one having ?



RRB NTPC 04.03.2021 (Shift-II) Stage Ist

Ans. (c) :



We solve with the help of options.

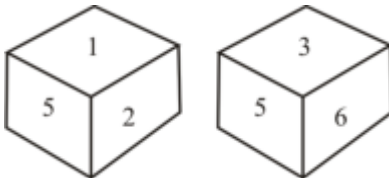
From option (a) , will not the answer because in Fig. I, and is an adjacent.

From option (b) , will not the answer because in Fig. III, and is an adjacent.

From option (c) , will be answer because in Fig. II, and is not adjacent.

From option (d) , will not answer because in Fig. IV, and is an adjacent.

9. Two positions of a rotated cube are shown below.



Which number will be at the bottom, when 5 is on the top?

- (a) 2 (b) 3
(c) 6 (d) 4

RRB NTPC 05.03.2021 (Shift-II) Stage Ist

Ans. (d) : According to the question on rotating the dice clockwise direction from 5.

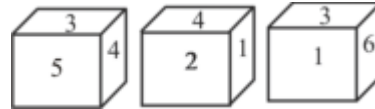
5 $\xrightarrow{\text{Opposite side}}$ 4 Common surface (5)

1 $\xrightarrow{\text{Opposite side}}$ 3

2 $\xrightarrow{\text{Opposite side}}$ 6

Hence, the opposite side of 5 will be the number 4.

10. Three different positions of a dice are shown. Which number will be on the opposite face to the face showing the number- '2'?



- (a) 3 (b) 6
(c) 4 (d) 5

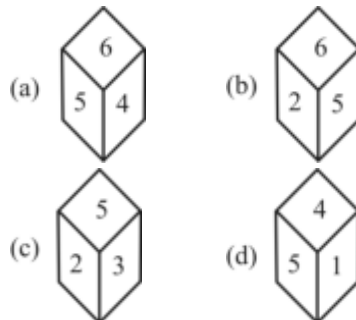
RRB NTPC 23.07.2021 (Shift-II) Stage Ist

Ans. (a) : From dice - II and III



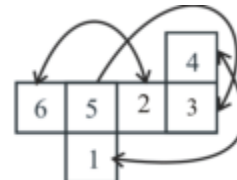
It is clear that the number '3' will be on the opposite face to the number '2'.

11. On folding the following sheets in accordance with the line which of the following dice will be formed?



RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (a) :



The opposite surfaces in the given sheet are as follows-

6 \rightarrow 2

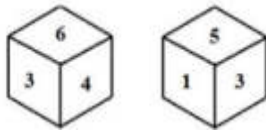
5 \rightarrow 3

4 \rightarrow 1

Two opposite surfaces are not visible together in a cube. Hence option (a) will be the correct answer.



12. Two different positions of the same dice are shown. Select the number that will be on the opposite face to that of number 5.



- (a) 4 (b) 3
(c) 6 (d) 2

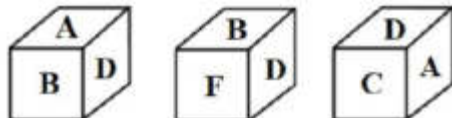
RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (a) : In both the above cases 3 is the common number so clockwise rotation of 3 gives equidistant surface and then face of the dice which is absent is opposite to the common face.

3	6	4	First dice
3	1	5	Second dice

It is clear that the opposite face of 3 will be 2 and the opposite face of 5 will be 4.

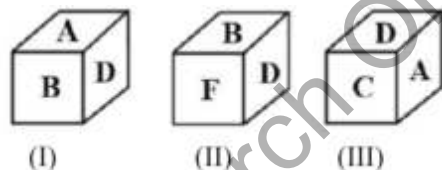
13. Three different positions of the same dice are shown. Select the letter that will be on the face opposite to the one having D.



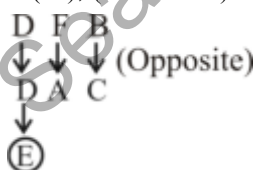
- (a) F (b) A
(c) E (d) C

RRB NTPC 09.03.2021 (Shift-II) Stage Ist

Ans. (c) :

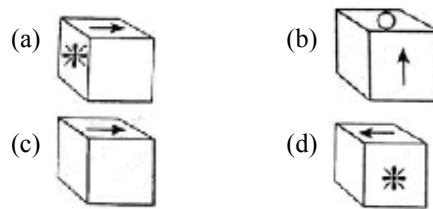
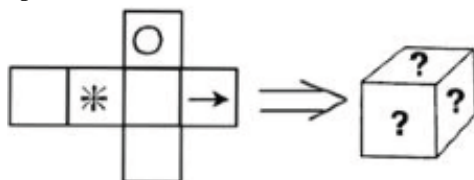


From dice (II) and (III), (Clock wise)



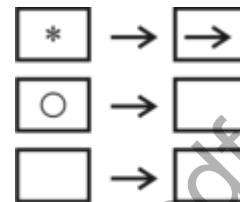
So, opposite letter of D is E.

14. The following paper cutting is folded along the lines to make a cubical box. Select the correct image of the resulting box from among the options.



RRB NTPC 11.03.2021 (Shift-I) Stage Ist

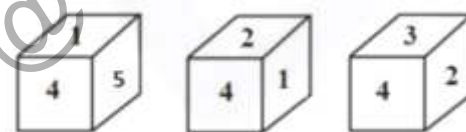
Ans. (c) : In the given paper cutting the opposite faces will be as follows—



Opposite face

As per rule of cube, two opposite sides of a cube may not be depicted together. Hence, the correct figure of the box will be option 'C'.

15. Three different positions of the same dice are shown. Select the number that will be on the face opposite to the face with the number 4.

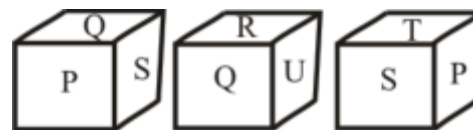


- (a) 3 (b) 1
(c) 5 (d) 6

RRB NTPC 07.04.2021 (Shift-I) Stage Ist

Ans. (d) : It is clear from all the three dice that the faces with the numbers 1, 2, 3 and 5 respectively all adjacent faces of the face number 4. So, it is clear that the face of number 6 will be opposite to the face of number 4.

16. Three different positions of the same dice are shown. Select the letter that will be on the face opposite of the one having U ?



- (a) T (b) R
(c) S (d) P

RRB NTPC 20.01.12021 (Shift-II) Stage Ist

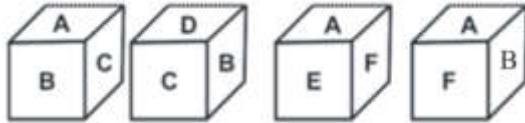
Ans. (d) : From dice (i) and (ii)

	Q	S	P
Opposite face	↓	↓	↓
(Clock-wise)	Q	R	U
Common face	→ Q		

Hence, letter 'P' will be on the face opposite to U.



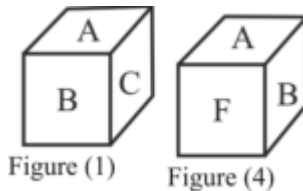
17. Four different positions of the same dice are shown. Select the letter that will be on the face opposite to the one having the letter F.



- (a) A (b) D
(c) E (d) C

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (d) : In figure 1 and figure 4



If two faces of dice are in common or equal, then the third face is opposite to each other.

Hence, opposite face of F is C.

18. Four different positions of the same dice are shown. Select the sign that will appear on the face opposite to the one with the + sign.



- (a) \$ (b) *
(c) - (d) &

RRB NTPC 19.03.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question-

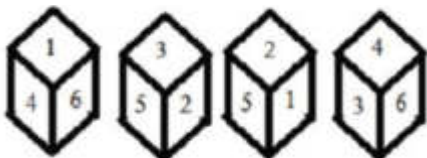
From first and second dice,



Opposite face of + is \$.

19. Study the information given below carefully and then answer the related question.

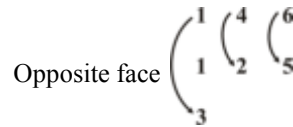
Given below are different samples of the same cube. Which of the following options is definitely a pair of opposite faces?



- (a) 1 and 3 (b) 1 and 2
(c) 3 and 6 (d) 5 and 3

RRB NTPC 24.07.2021 (Shift-I) Stage Ist

Ans. (a) : On rotating cube I and III in anti clock wise—

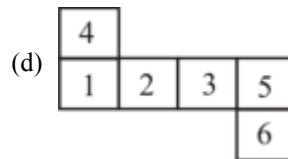
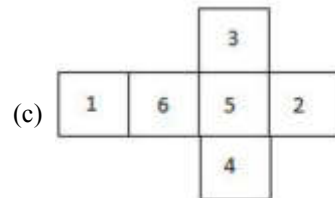
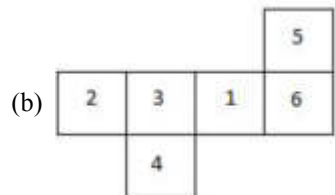
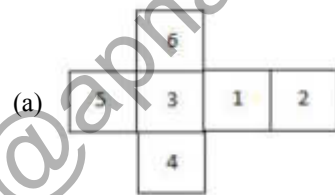


Hence, 1 and 3 is opposite face.

20. Four views of the same paper cube are given.

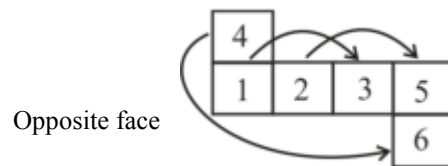


Which of the following will be the correct unfolded view when this paper cube is opened (flattened)?



RRB NTPC 31.07.2021 (Shift-I) Stage Ist

Ans. (d) :



Hence, in the given question when the cube of paper is opened then it will look like option (d).



21.

Miscellaneous

1. The following question is based on the given words.

PLAN FORE RAMP RANG SAND

If in each word the fourth letter is changed to the next letter in the English alphabetical order, how many letter clusters thus formed will have two vowels?

- (a) None (b) Three
(c) One (d) Two

RRB NTPC (Stage-II) -12/06/2022 Shift-I

Ans. (d) : According to the question,
On changing the fourth letter,

PLAN FORE RAMP RANG SAND

↓ ↓ ↓ ↓ ↓
PLAO FORF RAMQ RANH SANE

PLAO and SANE has two vowel letter cluster.
Hence, number of two vowel letter cluster = 2

2. From among the given options, select the word which cannot be formed using the letters of the given word.

LAUGHTER

- (a) GRUNT (b) GATE
(c) HATE (d) RATE

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (a) : The word GRUNT can't be formed from 'LAUGHTER' because it doesn't contain letter 'N'.

3. From among the given options, select the word which cannot be formed using the letters of the given word.

DAUGHTER

- (a) DATE (b) HURT
(c) TOUGH (d) GET

RRB NTPC 28.12.2020 (Shift-I) Stage Ist

Ans. (c) : The word TOUGH can't be formed from letter DAUGHTER because it doesn't contains the letter 'O'.

4. The given table shows the number of students in a hostel speaking different languages:

Languages	Hindi	English	Marathi	Tamil	Bengali	Total
Number of Students	25	22	12	9	4	72

Which language is spoken by atleast 1 out of 3 students residing in the hostel?

- (a) English (b) Marathi
(c) Hindi (d) Tamil

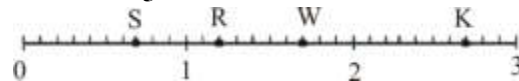
RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (c) : Total number of student = 72

$$\frac{72}{3} = 24 \text{ (Group)}$$

Thus, in the 24 group which is of 3-3 student must have spoken Hindi because, the total number of Hindi speakers is 25.

5. Which point on the given number line represents $\frac{6}{5}$?



- (a) S (b) W
(c) K (d) R

RRB NTPC 05.01.2021 (Shift-I) Stage Ist

Ans. (d) : $\frac{6}{5} = 1.2$

On the given number line $\frac{6}{5} = 1.2$ represents by point R.

6. Among four friends, A is twice as heavy as B. C is half of B's weight. D is 60 kg more as compared to B but 60 kg less as compared to A. Who is heaviest?

- (a) C (b) B
(c) D (d) A

RRB NTPC 06.04.2021 (Shift-I) Stage Ist

Ans. (d) : Suppose the weight of B is 2x kg.

A	B	C	D
↓	↓	↓	↓
4x	2x	x	2x+60

According to the question

$$\text{weight of A} - 60 = \text{weight of D}$$

$$4x - 60 = 2x + 60$$

$$2x = 120$$

$$x = 60 \text{ kg}$$

$$\text{weight of A} = 4x \Rightarrow 4 \times 60 = 240 \text{ kg}$$

$$\text{weight of D} = 2x + 60 \Rightarrow 2 \times 60 + 60 = 180 \text{ kg}$$

Hence strongest one weight of A is heaviest.

7. In which of the given letter-clusters is the letters skipped between adjacent letters in the order $2^1, 2^2, 2^3$.

- (a) BEJS (b) AEJS
(c) CFIS (d) EIRZ

RRB NTPC 07.01.2021 (Shift-I) Stage Ist

Ans. (a) : From option (a)

B C D E F G H I J K L M N O P Q R S

Hence, the given letter cluster in option (a) is the letters skipped between adjacent letters in the order $2^1, 2^2, 2^3$.

8. If $9 \div 5 + 3 \times 7 = 22$ and $4 \div 7 + 2 \times 15 = 29$, then find the value of $14 \div 5 + 35 \times 9$.

- (a) 36 (b) 15
(c) 11 (d) 7

RRB NTPC 16.01.2021 (Shift-I) Stage Ist

Ans. (c) : Given that

$$9 \div 5 + 3 \times 7 = 22 \text{ and } 4 \div 7 + 2 \times 15 = 29$$

$$\div \rightarrow \times$$

$$+ \rightarrow \div$$

$$\times \rightarrow +$$



$$9 \div 5 + 3 \times 7 = 9 \times 5 \div 3 + 7 = 22$$

$$4 \div 7 + 2 \times 15 = 4 \times 7 \div 2 + 15 = 29$$

Hence, $14 \div 5 + 35 \times 9$
 $= 14 \times 5 \div 35 + 9 = 11$

9. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?).

$$\square + \text{pentagon} + \triangle + \text{hexagon} + \triangle = ?$$

- (a) 19 (b) 20
(c) 13 (d) 21

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (d) :

On adding the sides of the figures in the given pattern,

$$\square + \text{pentagon} + \triangle + \text{hexagon} + \triangle$$

$$4 + 5 + 3 + 6 + 3 = ?$$

$$? = 21$$

Hence option (d) will be correct.

10. How many words can be formed with or without meaning by using all letters of the word DELHI?

- (a) 1 (b) 20
(c) 120 (d) 5

RRB NTPC 17.01.2021 (Shift-I) Stage Ist

Ans. (c) : Total number of letters in the word DELHI = 5

Number of words can be formed with or without meaning = 5!

$$= 5 \times 4 \times 3 \times 2 \times 1$$

$$= 120 \text{ Words}$$

11. If a cube of $3'' \times 3'' \times 3''$ is painted on all sides and then cut into 27 smaller cubes of $1'' \times 1'' \times 1''$, then how many such smaller cubes will be there that are painted only on two sides?

- (a) 16 (b) 4
(c) 12 (d) 8

RRB NTPC 04.02.2021 (Shift-I) Stage Ist

Ans. (c) : Two surface coloured = $12(n-2)$

$$n = 3$$

Then, two surface painted = $12(3-2)$

$$= 12 \times 1$$

$$= 12$$

12. Consider the following statements and decide which of them is/are correct.

- (1) Every prime is odd
(2) Product of any two prime numbers is odd
(a) 1 and 2 (b) Neither 1 nor 2
(c) 1 alone (d) 2 alone

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (b) ♦ Every prime is not odd because 2 is prime and even number.

♦ Product of two prime number is not always a odd number

For example

$$2 \times 3 = 6$$

13. The ratio of the velocities of the hour hand and minute hand of a clock is:

- (a) 5 : 1 (b) 1 : 1
(c) 1 : 12 (d) 12 : 1

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (c) ♦ The hour niddle will rotate 1 time in 12 hours or travel a distance of $2\pi r$.

♦ The minute niddle will rotate 12 times in 12 hours or covers a distance of $12 \times 2\pi r$.

Let its velocities be V_1 and V_2 respectively, then,

$$V_1 = \frac{2\pi r}{12}, V_2 = \frac{12 \times 2\pi r}{12}$$

$$V_1 : V_2 = \frac{2\pi r}{12} : \frac{12 \times 2\pi r}{12} \Rightarrow 1 : 12$$

14. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

$$\Rightarrow 6\{(3+P) + (4+q) + (4+r)\}$$

$$\Rightarrow 5\{(4+3) + (3+2) + (5+5)\}$$

$$\Rightarrow ?$$

- (a) 29 (b) 96
(c) 100 (d) 120

RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

$$\Rightarrow 6\{(3+P) + (4+q) + (4+r)\}$$

And,

$$\Rightarrow 5\{(4+3) + (3+2) + (5+6)\}$$

Same as,

$$\Rightarrow 4\{(6+4) + (5+3) + (4+2)\}$$

$$= 4[10 + 8 + 6] = 96$$

15. There are 48 students in a class. The number of girls is half of the number of boys. If Rashmi is a girl whose rank is 15th from the top and five girls have better ranks than Rashmi, then Rashmi's rank is better than how many boys?

- (a) 30 (b) 23
(c) 26 (d) 20

RRB NTPC 06.04.2021 (Shift-I) Stage Ist

Ans. (b) : As per question,

$$\frac{\text{No. of boys (B)}}{2} = \text{No. of girls (G)}$$

$$\frac{B}{G} = \frac{2}{1}$$



Suppose no. of girls = x

No. of boys = $2x$

According to the question,

$$2x + x = 48$$

$$3x = 48$$

$$x = 16$$

Rank of Rashmi from top = 15^{th}

Then total number of students above Rashmi = 14

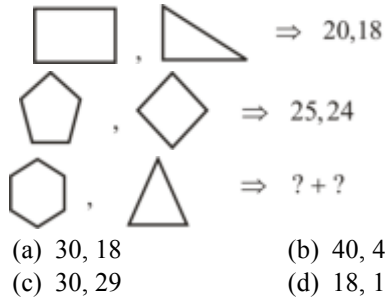
Then number of girls who rank better than Rashmi = 5

And boys are = $14 - 5 = 9$

Whereas total no. of boys = 32

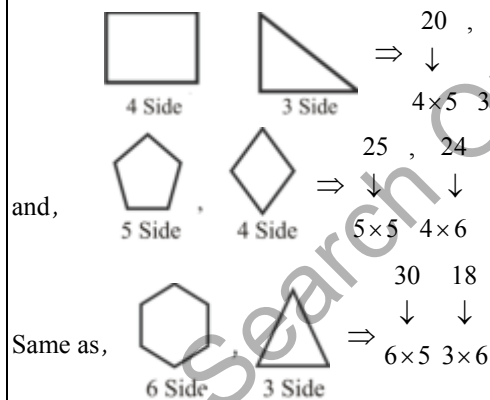
Therefore, the total number of boys below Rashmi = $32 - 9 = 23$

16. Study the given pattern carefully and select the numbers that can replace the question mark (?) in it.



RRB NTPC 09.02.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,



Therefore $? + ? = 30, 18$

17. In the given equation, the function of ■ and □ remains unchanged. What does the question mark (?) stand for in the third equation?

1. A ■ B = $A^2 \div B$

2. A □ B = $A + B^2$

3. (4 ■ 2) □ 2 = ?

- (a) 18 (b) 16
(c) 12 (d) 14

RRB NTPC 15.02.2021 (Shift-I) Stage Ist

Ans. (c) : Considering the eqn (i) and (ii).

$$(4^2 \div 2) + 2^2 = 8 + 4 = 12$$

18. Which of the options is not similar to the given combination of numbers?

(8, 15, 23, 120)

- (a) (11, 12, 23, 132) (b) (7, 14, 98, 21)
(c) (12, 5, 17, 60) (d) (9, 18, 27, 162)

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (b) : Just as,

(8, 15, 23, 120)

$$\text{I}^{\text{st}} \text{ step} = 15 + 8 = 23$$

$$\text{II}^{\text{st}} \text{ step} = 15 \times 8 = 120$$

Similarly,

In options (a), (c) and (d) follows the same pattern while in option (b) it does not follow the pattern.

Hence, option (b) is not similar to the given combination of numbers.

19. Select the number that can replace the question mark (?) in the following equation.

$$3125 \text{ of } 120\% - ? \text{ of } 90\% = 150$$

- (a) 4000 (b) 40
(c) 400 (d) 3600

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (a) : $3125 \text{ of } 120\% - ? \text{ of } 90\% = 150$

$$3125 \times \frac{120}{100} = 150 + ? \times \frac{90}{100}$$

$$3125 \times 120 = 15000 + ? \times 90$$

$$? \times 90 = 375000 - 15000$$

$$? \times 90 = 360000$$

$$? = \frac{360000}{90} = 4000$$

$$\text{So } ? = 4000$$

20. What would be the highest value of X in the given equation.

$$5X1 + 6Y7 + 3Z3 = 1471$$

- (a) 5 (b) 6
(c) 7 (d) 3

RRB NTPC 16.02.2021 (Shift-II) Stage Ist

Ans. (b) : Given

$$5X1 + 6Y7 + 3Z3 = 1471$$

For the highest value of X we will take the lowest value of Y and Z.

$$\text{So take } Y = Z = 0$$

$$5X1 + 607 + 303 = 1471$$

$$5X1 = 1471 - 910 = 561$$

$$\text{Hence } X = 6$$

$$\text{So maximum possible value of } X = 6$$

21. The arrow represents a set of calculations that are common across all the given equations. Identify the calculations involved and solve the fourth equation on the same basis :

$$4 \rightarrow 5 = 21 \quad 7 \rightarrow 8 = 57$$

I.

II.

$$6 \rightarrow 9 = 55 \quad 5 \rightarrow 3 = ?$$

III.

IV.

- (a) 8 (b) 15
(c) 2 (d) 16

RRB NTPC 23.02.2021 (Shift-I) Stage Ist



Ans. (d) : In the given equation

Just as,

$$(i) 4 \rightarrow 5 = 21 \Rightarrow 5 \times 4 + 1 = 21$$

$$(ii) 7 \rightarrow 8 = 57 \Rightarrow 7 \times 8 + 1 = 57$$

$$(iii) 6 \rightarrow 9 = 55 \Rightarrow 6 \times 9 + 1 = 55$$

Similarly,

$$(iv) 5 \rightarrow 3 = ? \Rightarrow 5 \times 3 + 1 = 16$$

$$\text{Hence } \boxed{? = 16}$$

22. The rectangle represents a set of calculations that are common across all the given equations. Identify the calculations involved and solve the fourth equation on the same basis:

$$7 \blacksquare 4 = 27/4$$

$$6 \blacksquare 1 = 5$$

$$4 \blacksquare 3 = 11/3$$

$$a \blacksquare b = ?$$

$$(a) (a - b)/ab \quad (b) ab/(a + b)$$

$$(c) (ab - 1)/b \quad (d) (ab + 1)/a$$

RRB NTPC 23.02.2021 (Shift-I) Stage Ist

Ans. (c) : The given pattern can be solve like as follows.

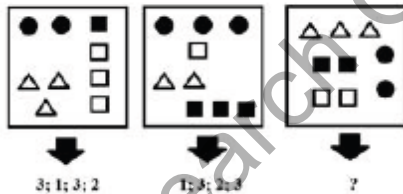
$$7 \blacksquare 4 = \frac{27}{4} \Rightarrow \frac{(7 \times 4 - 1)}{4}$$

$$6 \blacksquare 1 = 5 \Rightarrow \frac{(6 \times 1 - 1)}{1}$$

$$4 \blacksquare 3 = \frac{11}{3} \Rightarrow \frac{(4 \times 3 - 1)}{3}$$

Similarly, $a \blacksquare b = \frac{(a \times b - 1)}{b}$

23. Study the given pattern carefully and select the option that can replace the question mark (?) in it.



- (a) 3; 2; 2; 2 (b) 2; 2; 3; 2
(c) 2; 3; 3; 2 (d) 1; 3; 2; 3

RRB NTPC 23.02.2021 (Shift-I) Stage Ist

Ans. (b) : Just as,

In picture first and second,

First (\square) then (\blacksquare) then (\triangle) and last (\bullet) circle is written by counting. Similarly by counting and writing in fig (3).

Hence option (b) is correct answer.

24. A word arrangement machine, when given an input line of words, rearranges them in steps according to the following rules.

INPUT LINE: Trial Today Gym in the She as

Step I : as Trial Today Gym in the She

Step II: as Gym Trial Today in the She

Step III: as Gym in Trial Today the She

Step IV: As Gym in She Trial Today the

Step V: As Gym in She the Trial Today

Step VI: As Gym in She the Today Trial

What will be 'Step III' of the input line, 'to Ball on at the small Do', if the same machine is employed?

- (a) Do on at to Ball the small
(b) Do to small the at Ball on
(c) at to Ball small the on Do
(d) at Ball to on Do the small

RRB NTPC 03.03.2021 (Shift-I) Stage Ist

Ans. (a) :

Given INPUT LINE

Trial Today Gym in the She as
1 2 3 4 5 6 7

Step III : As Gym In Trial Today the She
7 3 4 1 2 5 6

Hence, to Ball on at the small Do
1 2 3 4 5 6 7

Do on at to Ball the small
7 3 4 1 2 5 6

Step III: 7 3 4 1 2 5 6
Hence, option (a) is correct.

25. Five children A, B, C, D and E eat mangoes. A eat 8 mangoes less then B. C and E together eat 37 mangoes. D ate 8 mangoes more than C, B eat 5 mangoes more than C, B and A together eat 40 mangoes. Considering the above information which of the following statements is correct.

- (a) D eat 19 mangoes and C eat 27 mangoes
(b) C eat 11 mangoes and B eat 16 mangoes
(c) A eat 24 mangoes and B eat 16 mangoes
(d) E eat 18 mangoes and C eat 19 mangoes

RRB NTPC 04.03.2021 (Shift-I) Stage Ist

Ans. (d) : Let the mango eat by C = x

then B = x + 5, A = x - 3, D = x + 8

$$\therefore A + B = 40$$

$$x - 3 + x + 5 = 40$$

$$2x = 38$$

$$\boxed{x = 19}$$

$$\therefore C + E = 37$$

$$19 + E = 37$$

$$E = 37 - 19$$

$$\boxed{E = 18}$$

Hence, the statement 'E eat 18 mangoes and C eat 19 mangoes' is right.

26. Select the option that can be formed from the letter of the given word, using the letters not more than the number of times they have been used in the given word.

Mainstreaming

- (a) Maintaining (b) Training
(c) Streamed (d) Tempting

RRB NTPC 27.03.2021 (Shift-II) Stage Ist



Ans. (b) : According to the question-
The word made by the letters of given word
Mainstreaming = Training

27. Of the given three equation, the first two are solved on the basis of a certain system, where the function of and remain the same. On the same basis, what does the question mark (?) stand for in the third equation?

(1) $A \heartsuit B = A^2 \times B + 2$

(2) $A \spadesuit B = A + B^2$

(3) $(4 \heartsuit 6) \spadesuit 2 = ?$

- (a) 800 (b) 20
(c) 52 (d) 80

RRB NTPC 01.04.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,

$$\begin{aligned} (4 \heartsuit 6) \spadesuit 2 \\ &= (4^2 \times 6 \div 2) \spadesuit 2 \\ &= 48 \spadesuit 2 \\ &= 48 + 2^2 = 48 + 4 = 52 \end{aligned}$$

28. Out of the four given equations, the first three are solved on the basis of a certain system, where the function of the " \heartsuit " remains the same. Find the correct answer for the unsolved fourth equation on the same basis.

(1) $7 \heartsuit 3 = 8$

(2) $4 \heartsuit 4 = 5$

(3) $6 \heartsuit 7 = 7$

(4) $a \heartsuit b = ?$

(a) $\frac{(ab+b)}{a}$

(b) $\frac{ab}{(a+b)}$

(c) $\frac{(a-b)}{ab}$

(d) $\frac{(ab+b)}{b}$

RRB NTPC 05.04.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,
From equation (1)-

$$\begin{aligned} 7 \heartsuit 3 &= 8 \\ \frac{7 \times 3 + 3}{3} &= \frac{24}{3} = 8 \end{aligned}$$

From equation (2)-

$$\begin{aligned} 4 \heartsuit 4 &= 5 \\ \frac{4 \times 4 + 4}{4} &= \frac{20}{4} = 5 \end{aligned}$$

From equation (3)-

$$\begin{aligned} 6 \heartsuit 7 &= 7 \\ \frac{6 \times 7 + 7}{7} &= \frac{49}{7} = 7 \end{aligned}$$

Similarly

From equation (4)-

$$a \heartsuit b = \frac{ab+b}{b}$$

29. Out of the four given equations, the first three are solved on the basis of a certain system, where the function of the ' \spadesuit ' remains the same. Find the correct answer for the unsolved fourth equation on the same basis.

$6 \spadesuit 2 = 9$

$4 \spadesuit 5 = 12$

I.

II.

$7 \spadesuit 3 = 14$

$3 \spadesuit 3 = ?$

III.

IV.

(a) 6

(b) 9

(c) 3

(d) 12

RRB NTPC 05.04.2021 (Shift-I) Stage Ist

Ans. (a) :

(I) $6 \spadesuit 2 = 9$

$$6 \times 2 + 6 = 18$$

$$\Rightarrow \frac{18}{2} = 9$$

(II) $4 \spadesuit 5 = 12$

$$4 \times 5 + 4 = 24$$

$$\Rightarrow \frac{24}{2} = 12$$

(III) $7 \spadesuit 3 = 14$

$$7 \times 3 + 7 = 28$$

$$\Rightarrow \frac{28}{2} = 14$$

(IV) $3 \spadesuit 3 = ?$

$$3 \times 3 + 3 = 12$$

$$\Rightarrow \frac{12}{2} = \boxed{6}$$

30. Of the four given equations, the first three are solve on the basis of a certain system, where the function of remains the same. Find the correct answer for the unsolved fourth equation on the same basis.

I. $9 \rightarrow 6 = 28$

II. $7 \rightarrow 4 = 15$

III. $3 \rightarrow 8 = 13$

IV. $3 \rightarrow 6 = ?$

(a) 15

(b) 2

(c) 10

(d) 8

RRB NTPC 23.07.2021 (Shift-I) Stage Ist

Ans. (c) :

(I) $9 \rightarrow 6 = 28$

(II) $7 \rightarrow 4 = 15$

$$\left(\frac{9 \times 6}{2}\right) + 1$$

$$\left(\frac{7 \times 4}{2}\right) + 1$$

$$= 28$$

$$= 15$$

(II) $3 \rightarrow 8 = 13$

(IV) $3 \rightarrow 6 = ?$

$$\left(\frac{3 \times 8}{2}\right) + 1$$

$$\left(\frac{3 \times 6}{2}\right) + 1$$

$$= 13$$

$$= \boxed{10}$$

31. If $8 + 5 = 1340$ is true, then find the value of $4 + 6$.

(a) 1024

(b) 1304

(c) 1414

(d) 1012

RRB NTPC 29.12.2020 (Shift-II) Stage Ist



Ans. (a) : Just as,

$$8+5 = 13$$

$$8 \times 5 = 40$$

Similarly,

$$4+6 = 10$$

$$4 \times 6 = 24$$

Hence, $4+6 = 1024$

32. The given table shows the number of formal learners, informal learners and illiterates, on the basis of gender, in the age group of 18–30 years in village X near Delhi. Determine the ratio among the formal learners, informal learners and illiterates.

FORMAL LEARNERS	BOYS	39
	GIRLS	52
INFORMAL LEARNERS	BOYS	65
	GIRLS	78
ILLITERATES	BOYS	143
	GIRLS	169

(a) $11 : 24 : 7$

(b) $7 : 24 : 11$

(c) $11 : 7 : 24$

(d) $7 : 11 : 24$

RRB NTPC 30.12.2020 (Shift-I) Stage Ist

Ans. (d) : Number of formal learners = $39 + 52 = 91$

Number of informal learners = $65 + 78 = 143$

Number of illiterates = $143 + 169 = 312$

Hence, Required ratio = $91 : 143 : 312$

$$= 7 : 11 : 24$$

33. Select the option that best describes the given units?

Dollar, Rupee, Yen, Taka

(a) Finance

(b) Wealth

(c) Currency

(d) Economy

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (c) : Dollar, Rupee, Yen, and Taka are best describes the unit of currency.

34. Select the option that is closest to the given shape?

Square, Rhombus, Rectangle, Parallelogram

(a) Scalene

(b) Quadrilateral

(c) Equiangular

(d) Equilateral

RRB NTPC 04.01.2021 (Shift-II) Stage Ist

Ans. (b) : In given option quadrilateral is same as Square, Rhombus, Rectangle and Parallelogram whereas other are different. Hence option (b) is right answer.

35. Letters of a word are jumbled and each letter has been given a unique number. Select the combination of numbers from among the given options, so that the letters arranged accordingly will form the meaningful word.

R A M S T

1 2 3 4 5

(a) 32514

(b) 13245

(c) 43215

(d) 25431

RRB NTPC 08.01.2021 (Shift-I) Stage Ist

Ans. (c) : According to the question-

R A M S T

1 2 3 4 5

On arranging alphabets, for the meaningful word the word is –

S M A R T

4 3 2 1 5

36. Which of the following shapes is most similar to rectangle and square?

(a) Triangle

(b) Circle

(c) Rhombus

(d) Sphere

RRB NTPC 09.01.2021 (Shift-I) Stage Ist

Ans. (c) :



In the given options, Rhombus, Rectangle and Square all have four sides so we can say Rhombus is most similar to rectangle and square

37. There are 100 questions in which each right answer has 1 mark credit. Out of 100 questions 30, 50 and 20 questions are easy, medium and difficult respectively. The questions paper covers five abilities with an equal number of questions and similar distribution of difficulty levels for each ability. Sachin has excellent knowledge in three abilities but in the other two abilities he can solve only easy questions. If the evaluator deducts 0.33 marks for each wrong answer and Sachin attempts all questions which of the following would be his expected score?

(a) 62.60

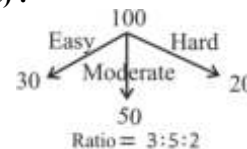
(b) 62.49

(c) 62.76

(d) 62.98

RRB NTPC 16.01.2021 (Shift-II) Stage Ist

Ans. (c) :



According to the question,

Section	Easy	Moderate	Hard
20	6	10	4
20	6	10	4
20	6	10	4
20	6	10	4
20	6	10	4

Total correct question solved by Sachin in three sections = $(6 + 10 + 4) \times 3 = 60$

The rest abilities easy questions = $6 + 6 = 12$

Total number of correct questions solved by Sachin = $60 + 12 = 72$

So, questions with wrong answer = $(10 \times 2) + (4 \times 2) = 28$

Therefore, expected score = $72 - 28 \times 0.33 = 62.76$



38. The \square represents a set of calculations that are common across all the given equations. Identify the calculations involved and solve the third equation on the same basis:

$$25 \square 36 = 5; 6; 11$$

$$100 \square 64 = 10; 8; 18$$

$$36 \square 81 = ?; ?; ?$$

- (a) 9; 9; 117 (b) 10; 6; 4
(c) 4; 11; 18 (d) 6; 9; 15

RRB NTPC 22.02.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

$$25 \square 36 = 5; 6; 11$$

$$(5)^2 \quad (6)^2 = 5; 6 = (5+6)$$

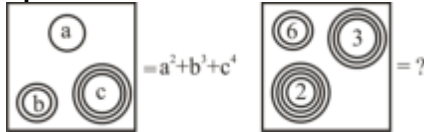
And $100 \square 64 = 10; 8; 18$

$$(10)^2 \quad (8)^2 = 10; 8 = (10+8)$$

Same as, $36 \square 81 = 6; 9; 15$

$$(6)^2 \quad (9)^2 = 6; 9 = (6+9)$$

39. Identify the number that will replace the question mark(?) in the second equation based on the relationship represented in the first equation.



- (a) 36 (b) 329
(c) 79 (d) 420

RRB NTPC 22.02.2021 (Shift-I) Stage Ist

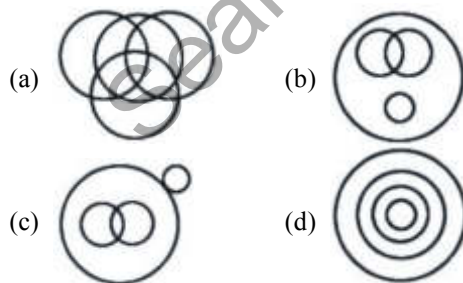
Ans. (b) : Just as, In the first figure $\Rightarrow a^2 + b^3 + c^4$

Similarly, In the second figure $\Rightarrow 6^3 + 3^4 + 2^5$

$$\Rightarrow 216 + 81 + 32$$

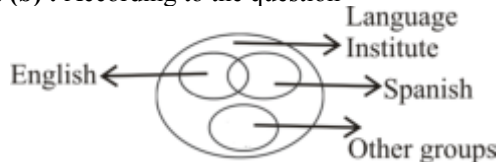
$$\Rightarrow 329$$

40. In a certain language institute English and Spanish language courses were available. Some students enrolled for only English and some students for only Spanish. A group of students of this institute were not interested in either so they didn't enroll. The rest enrolled for both English and Spanish. Which one of the following logic diagrams correctly reflects the above situation.



RRB NTPC 22.02.2021 (Shift-I) Stage Ist

Ans. (b) : According to the question-



Hence, it is clear that the logic diagram of option (b) correctly reflects the given situation.

41. If $24 \text{ B } 6 \text{ B } 12 = 42$ and $31 \text{ B } 7 \text{ B } 13 = 51$, then $64 \text{ B } 9 \text{ B } 4 = ?$

- (a) 77 (b) 78
(c) 76 (d) 79

RRB NTPC 15.03.2021 (Shift-I) Stage Ist

Ans. (a) : Just as, $24 \text{ B } 6 \text{ B } 12 \Rightarrow 24+6+12 = 42$

and $31 \text{ B } 7 \text{ B } 13 \Rightarrow 31+7+13 = 51$

Similarly, $64 \text{ B } 9 \text{ B } 4 \Rightarrow 64+9+4 = 77$

42. If $69 - 26 = 66$; $86 - 34 = 60$; $35 - 28 = 31$, then $77 - 21 = ?$

- (a) 56 (b) 35
(c) 51 (d) 47

RRB NTPC 07.04.2021 (Shift-II) Stage Ist

Ans. (c) : Just as,

$$69 - 26 = 66$$

$$6 \times 9 + 2 \times 6 = 66$$

$$54 + 12 = 66$$

and $35 - 28 = 31$

$$3 \times 5 + 2 \times 8 = 31$$

$$(15 + 16) = 31$$

Similarly, $77 - 21 = ?$

$$7 \times 7 + 2 \times 1 = ?$$

$$49 + 2 = ?$$

$$\boxed{? = 51}$$

43. Which letter in the alphabet is as far from H as U is far from N?

- (a) N (b) O
(c) P (d) M

RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (b) : Such as,

$$14\text{N} + 7 \rightarrow 21\text{U}$$

Same as,

$$8\text{H} + 7 \rightarrow 15\text{O}$$

44. Which of the following the correct order of the roman numerals C, D, L, X and M?

- (a) $M > C > D > L > X$ (b) $D > M > C > L > X$
(c) $X > M > C > D > L$ (d) $M > D > C > L > X$

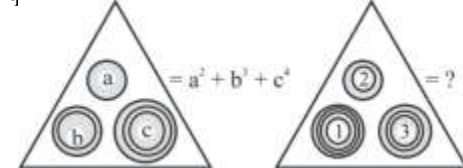
RRB NTPC 08.04.2021 (Shift-I) Stage Ist

Ans. (d) : On arranging roman numerals in the correct order.

$$M > D > C > L > X$$

$$1000 > 500 > 100 > 50 > 10$$

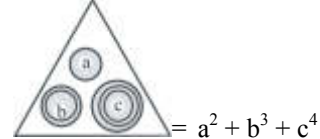
45. Read the pattern carefully and choose an appropriate option which may substitute the question mark (?)



- (a) 100 (b) 90
(c) 746 (d) 231

RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (b) : \therefore In first triangle- we have



In second Δ a, b and c substitute 1, 2, 3

$$1^5 + 2^3 + 3^4 = ?$$

$$1 + 8 + 81 = ?$$

$$\boxed{90 = ?}$$



46. In the given pairs, first no. is related with second number logically.

11 : 131

17 : 305

23 : 551

of the given options, choose the one which follows the same logic.

(a) 27 : 756 (b) 33 : 1099

(c) 29 : 869 (d) 31 : 961

RRB NTPC 26.07.2021 (Shift-II) Stage Ist

Ans. (c) : Just as,

11 : 131

$$(11)^2 + (11 - 1) = 121 + 10 = 131$$

17 : 305

$$(17)^2 + (17 - 1) = 289 + 16 = 305$$

23 : 551

$$(23)^2 + (23 - 1) = 529 + 22 = 551$$

Similarly, from option (c)-

29 : 869

$$(29)^2 + (29 - 1) = 841 + 28 = 869$$

Hence, option (c) will be correct.

47. Which of the given options best classifies the following items:

Spear, Catapult, Pistol, Rifle

(a) Weapons (b) Cannon

(c) Battle (d) Guns

RRB NTPC 28.12.2020 (Shift-II) Stage Ist

Ans. (a) : Spear, Catapult, Pistol, Rifle all are come under weapons.

48. If $15 \times 71 = 84$, $92 \times 23 = 57$, $37 \times 44 = 84$, then $54 \times 32 = ?$

(a) 51

(b) 87

(c) 54

(d) 91

RRB NTPC 30.12.2020 (Shift-II) Stage Ist

Ans. (a) : Just as,

$$15 \times 71 = 84$$

$$(7+1)(5-1) = 84$$

And $92 \times 23 = 57$

$$(2+3)(9-2) = 57$$

And $37 \times 44 = 84$

$$(4+4)(7-3) = 84$$

Similarly,

$$54 \times 32 = ?$$

$$(3+2)(5-4) = 51$$

Hence, $[? = 51]$

49. Read the following information carefully and answer the questions that follow:

A word number arrangement machine, when given input as set of words and numbers, rearranges them following particular rule and generate a stepwise output until the rearrangement is complete following that rule.

Following is an illustration of the input and steps of rearrangement until the last step.

Input : Tokyo 7 Rio @ 5 Salva We

Step 1 : Tokyo 7 Rio @ We 5 Salva

Step 2 : Tokyo 7 Rio We @ 5 Salva

Step 3 : 7 Rio We @ 5 Salva Tokyo

Step 4 : Rio 7 We @ 5 Salva Tokyo

In addition step 4 is the last step.

For the input, "When % SSR 2 meet shall you", What is Step 2?

(a) When % SSR 2 you meet shall

(b) SSR 2 when % you meet shall

(c) SSR when % you 2 meet shall

(d) When % SSR you 2 meet shall

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (d) : Input : "When % SSR 2 meet shall you",

According to the question illustration,

Step 1 : When % SSR 2 you meet shall

Step 2 : When % SSR you 2 meet shall

Hence, option (d) is correct.

50. If one substitutes @ with either "+" or "x" (multiplication) in the expression $1@2@3@4@5@6$, what is the maximum value that can be derived assumption that the correct order of mathematical operations are followed.

(a) 612

(b) 721

(c) 720

(d) 732

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (b) : Maximum value = $1 + 2 \times 3 \times 4 \times 5 \times 6$

$$= 1 + 720$$

$$= 721$$

51. Read the following information carefully and answer the questions that follows:

A word number arrangement machine, when given input as set of words and numbers, rearranges them following particular rule and generate a stepwise output until the rearrangement is complete following that rule.

Following is an illustration of the input and steps of rearrangement until the last step.

Input : Tokyo 7 Rio @ 5 Salva We

Step 1 : Tokyo 7 Rio @ We 5 Salva

Step 2 : Tokyo 7 Rio We @ 5 Salva

Step 3 : 7 Rio @ We 5 Salva Tokyo

Step 4 : Rio 7 @ We 5 Salva Tokyo

In addition, step 4 is the last step.

For the input, "Let 1 mail & check me and", what is Step 4?

(a) mail 1 me Let & and check

(b) and check me Let mail 1 &

(c) 1 & and check me Let mail

(d) mail 1 & and check me Let

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (d) : Input : "Let 1 mail & check me and" for

According to the question illustration,

Step 1 : Let 1 mail & and check me.

Step 2 : Let 1 mail and & check me.

Step 3 : 1 mail & and check me Let.

Step 4 : mail 1 & and check me Let.

Hence, option (d) is correct.

52. If aPb implies $a + b$, aSb implies $a - b$, aMb implies $a \times b$ and aDb implies $a \div b$; Find the value of $5P6S3M4D8$

(a) 8

(b) 8.5

(c) 10

(d) 9.5

RRB NTPC 07.01.2021 (Shift-II) Stage Ist



Ans. (d) : Given - 5P6S3M4D8

P = +

S = -

M = ×

D = ÷

On putting the symbol meaning we get-

$$= 5 + 6 - 3 \times 4 \div 8$$

$$= 5 + 6 - 3 \times \frac{1}{2}$$

$$= 11 - \frac{3}{2}$$

$$= \frac{22-3}{2} = \frac{19}{2}$$

$$= 9.5$$

53. In which of the given options, the letters skipped between adjacent letters in the order 1, 2, 3.

- (a) EFJN (b) ACDE
(c) FHKO (d) FHLP

RRB NTPC 07.01.2021 (Shift-II) Stage Ist

Ans. (c) : By Option (c)

F H K O
↓ ↓ ↓
G = 1 I, J = 2 L, M, N = 3

Hence, in option (c) the letters skipped between adjacent letters in the order of 1, 2, 3.

54. What is the smallest number of birds that could fly in the formation described below, assuming that each bird is counted only once to fulfil all the conditions listed?

Two birds in front of a bird, two birds behind a bird and a bird between two birds.

- (a) 3 (b) 4
(c) 5 (d) 7

RRB NTPC 09.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question-

Two birds in front of a bird, two birds behind a bird and a bird between two birds.

Hence, minimum number of birds is 5

55. A remembers that P's first appointment to the job is after 17th but before 20th March. Whereas B remembers that P's first appointment to the job is after 18th but before 22nd March. Assuming both are correct, which date is most likely to be P's first appointment to the job?

- (a) 21st March (b) 18th March
(c) 20th March (d) 19th March

RRB NTPC 10.01.2021 (Shift-II) Stage Ist

Ans. (d) :

According to the A,

P's first appointment after 17th march but before 20th March.

According to the B, Probability of p's appointment will be 18/19.

The first appointment of P after 18th March but before 22nd March.

According to B the probability of P's appointments will be on 19/20/21 March.

Assuming both to be correct, it can be said that the first appointment of P was done on 19th March.

56. Four friends J, Q, B and Z rolled the dice in alphabetical order.

The scores were

1st round: 3, 2, 5, 2

2nd round: 1, 5, 1, 4

3rd round: 4, 2, 1, 1

If each point on the dice would get 10 points, who won the maximum points after 3 rounds?

- (a) J (b) B
(c) Q (d) Z

RRB NTPC 19.01.2021 (Shift-I) Stage Ist

Ans. (a) : Points scored by B in each round = $(3 + 1 + 4) \times 10 = 8 \times 10 = 80$ Points

Points scored by J in each round = $(2 + 5 + 2) \times 10 = 9 \times 10 = 90$ Points

Points scored by Q in each round = $(5 + 1 + 1) \times 10 = 7 \times 10 = 70$ Points

Points scored by Z in each round = $(2 + 4 + 1) \times 10 = 7 \times 10 = 70$ Points

Hence, After three rounds J has got the maximum points.

57. Assuming P & Q were Arithmetic Operators, if 24 P 12 Q 13 = 15 and 16 Q 56 P 14 = 20, then 87 P 29 Q 22 = ?

- (a) 25 (b) 30
(c) 28 (d) 27

RRB NTPC 21.01.2021 (Shift-II) Stage Ist

Ans. (a) : 24 P 12 Q 13 = 15 and 16 Q 56 P 14 = 20

∴ P and Q the Arithmetic sign

∴ On putting P = ÷

Q = +

In the first eqn.,

L.H.S

$$24 \div 12 + 13 = 2 + 13$$

$$= 15 \text{ R.H.S}$$

L.H.S = R.H.S

In Second eqn.,

L.H.S

$$16 + 56 \div 14 = 16 + 4$$

$$= 20 \text{ R.H.S}$$

L.H.S = R.H.S

Similarly in the third eqn.,

$$\text{Therefore, } 87 \text{ P } 29 \text{ Q } 22 = 87 \div 29 + 22$$

$$= 3 + 22$$

$$= 25$$

58. If ∇ stands for operation "adding the first number to thrice the second number", then the value of $(4 \nabla 5) \nabla 6$ will be :

- (a) 37 (b) 35
(c) 114 (d) 54

RRB NTPC 02.02.2021 (Shift-I) Stage Ist

Ans. (a) : According to the question

$$\Rightarrow (4 \nabla 5) \nabla 6$$

$$\Rightarrow (4 + 5 \times 3) \nabla 6$$

$$\Rightarrow 19 \nabla 6$$

$$\Rightarrow 19 + 6 \times 3$$

$$\Rightarrow 19 + 18$$

$$\Rightarrow 37$$



59. Read the given dialogue and answer the question that follows.

Davy: "Every pancake made by my mother is lip smacking."

Jones: "That's not true. Many pancakes made by your father are also very lip smacking."

What did Jones, apparently, assume regarding Davy's statement?

- Davy's father is good for nothing.
- Davy's mother makes lip-smacking pancakes.
- Some of the pancakes made by Davy's mother are not lip smacking.
- Only Davy's mother makes lip-smacking pancakes.

RRB NTPC 02.02.2021 (Shift-I) Stage Ist

Ans. (d) : Jones clearly believes in Davy's Statement that only Davy's mother makes lip-smacking pancakes.

60. Study the given pattern carefully and select the number that can replace the question mark (?) in it.



- 315
- 8
- 137
- 200

RRB NTPC 11.03.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,
 $a^{(\text{No. of circles} + 1)} + b^{(\text{No. of circles} + 1)} + c^{(\text{No. of circles} + 1)}$
 $= a^2 + b^3 + c^4$

Similarly,
 $3^3 + 2^5 + 4^4$
 $= 27 + 32 + 256$
 $= 315$

61. From the alternatives, Select the word which can not be formed using the letters of the given word.

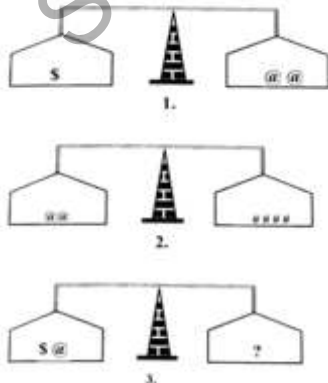
Enthusiastic

- Static
- Choate
- Satin
- Thus

RRB NTPC 03.04.2021 (Shift-II) Stage Ist

Ans. (b) : Use of letters from the given word Enthusiastic Choate cannot be made by using the letter of given word because in the given word 'Enthusiastic' there is not letter O.

62. Study the given pattern carefully and select the option that can replace the question mark (?) in it.



- ####
- #####
- #####
- #####

RRB NTPC 07.04.2021 (Shift-I) Stage Ist

Ans. (b) : one \$ = two @
 and two @ = four #, then one @ = two #
 Hence, \$@ = @@@ = #####

63. Select the word that can't be formed using the letters of the given word.

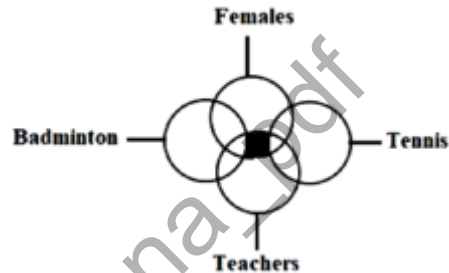
Canterbury

- Brat
- Burnt
- Crane
- Anther

RRB NTPC 24.07.2021 (Shift-II) Stage Ist

Ans. (d) : In option (d) 'Anther' cannot be formed using the letters of 'Canterbury' because 'Anther' has letter 'H' which is not there in canterbury.

64. In the given figure, what does the shaded portion depict ?



- A group of female teachers who neither play badminton nor tennis
- A group of female teachers who are badminton players
- A group of female teachers who are tennis players but not badminton players
- A group of teachers who are both tennis and badminton players

RRB NTPC 23.01.2021 (Shift-I) Stage Ist

Ans. (a) : The shaded portion in the given figure depicts a group of female teachers who neither play badminton nor tennis.

Hence, option (a) is correct.

65. If 0 stands for the operation "subtract and double the value", that is $a0b = 2(a-b)$; and \emptyset stands for "Multiply and half", that is $a\emptyset b = \frac{1}{2}ab$ then, find the value of $(8\emptyset 6)0(6\emptyset 4)$:

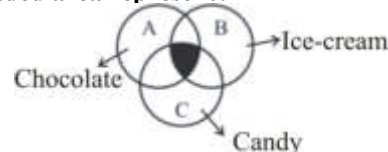
- 12
- 48
- 24
- 36

RRB NTPC 29.01.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,

$$\begin{aligned} & (8\emptyset 6)0(6\emptyset 4) \\ &= \left(8 \times 6 \times \frac{1}{2}\right)0\left(6 \times 4 \times \frac{1}{2}\right) \\ &= 24012 \\ &= 2(24 - 12) \\ &= 24 \end{aligned}$$

66. In the following diagram, A contains all the people who like chocolate, B contains all the people who like Ice-cream and C contains all the people who like candy. What does the shaded area represent?

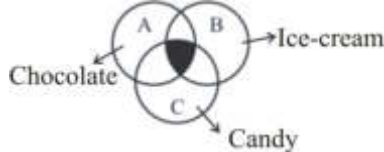




- (a) People who only like chocolate and ice-cream
 (b) People who only like candy and ice-cream
 (c) People who like chocolate, candy and ice-cream
 (d) People who only like chocolate and candy

RRB NTPC 01.02.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question,



It is clear from above Venn Diagram that people who likes chocolate, candy and Ice-cream represents the shaded portion.

67. Find the number of letter F in the given English sentence

"The flower of a fulfilling tree filed the freely available puffy furnace of Fatima's father"

- (a) 13 (b) 11
 (c) 12 (d) 10

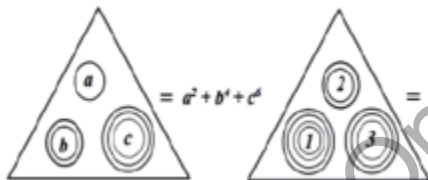
RRB NTPC 12.02.2021 (Shift-I) Stage Ist

Ans. (c) : By question-

The flower of a fulfilling tree filed the freely available puffy furnace of fatima's father.

Hence number of F will be 12.

68. $a^2 + b^4 + c^6$ is logically related to the first diagram as shown below. Following the same logic, find the value that will replace the (?) in the second diagram?



- (a) 746 (b) 420
 (c) 540 (d) 500

RRB NTPC 22.02.2021 (Shift-II) Stage Ist

Ans. (a) : From question:

$$2^4 + 1^8 + 3^6 \\ = 16 + 1 + 729 \\ = 746$$

The number of the given circle multiplied by 2 is written as the power of the number written inside the circle.

69. The rectangle represents a set of calculations that are common across all the given equations. identify the calculation involved and solve the fourth equation on the same basis:

$$\begin{array}{l} 7 \blacksquare 3 = \frac{11}{2} \\ 6 \blacksquare 2 = \frac{13}{4} \\ 5 \blacksquare 3 = 8 \\ a \blacksquare b = ? \end{array}$$

- (a) $\frac{(ab+1)}{a}$ (b) $\frac{ab}{(a+b)}$
 (c) $\frac{(a+b)}{(ab-1)}$ (d) $\frac{(ab+1)}{(a-b)}$

RRB NTPC 08.03.2021 (Shift-I) Stage Ist

Ans. (d) : Just as,

$$7 \quad 3 = \frac{11}{2}$$

$$= \frac{7 \times 3 + 1}{7 - 3}$$

$$= \frac{22}{4} = \frac{11}{2}$$

and,

$$6 \quad 2 = \frac{13}{4}$$

$$= \frac{6 \times 2 + 1}{6 - 2} = \frac{13}{4}$$

$$5 \quad 3 = 8$$

$$\frac{5 \times 3 + 1}{5 - 3} = 8$$

Similarly,

$$a \quad b = ?$$

$$\frac{a \times b + 1}{a - b} = \frac{(ab + 1)}{(a - b)}$$

Hence, option (d) is correct.

70. In the equations below, the function of \rightarrow remains unchanged. What does the question mark stand for in the fourth equation?

$$\begin{array}{ll} 9 \rightarrow 3 = 32 & 6 \rightarrow 7 = 47 \\ \text{I.} & \text{II.} \\ 13 \rightarrow 3 = 44 & 12 \rightarrow 3 = ? \\ \text{III.} & \text{IV.} \end{array}$$

- (a) 41 (b) 4
 (c) 15 (d) 36

RRB NTPC 08.03.2021 (Shift-I) Stage Ist

Ans. (a) : Just as,

$$9 \rightarrow 3 = 32$$

$$\Rightarrow 9 \times 3 + 5 = 32$$

and, $6 \rightarrow 7 = 47$

$$\Rightarrow 6 \times 7 + 5 = 47$$

and, $13 \rightarrow 3 = 44$

$$\Rightarrow 13 \times 3 + 5 = 44$$

Similarly,

$$12 \rightarrow 3 = ?$$

$$12 \times 3 + 5 = 41$$

Hence, $[?] = 41$

71. If $190 = 101$, $191 = 122$, $192 = 145$, $193 = 170$, $194 = ?$ Then, what number will replace the question mark?

- (a) 192 (b) 193
 (c) 197 (d) 195

RRB NTPC 15.03.2021 (Shift-II) Stage Ist

Ans. (c) : According to the question-

$$\begin{array}{l} 190 = 101 \\ 191 = 122 \\ 192 = 145 \\ 193 = 170 \\ 194 = 197 \end{array} \quad \begin{array}{l} +21 \\ +23 \\ +25 \\ +27 \end{array} \quad \begin{array}{l} +2 \\ +2 \\ +2 \end{array}$$

Hence, the number 197 will come in place of the question mark.



72. If $B = 6$, $T = 4$, $Q = 8$ and $R = 24$, then $R \times T \div Q + T = ?$
 (a) 36 (b) 52
 (c) 8 (d) 16

RRB NTPC 15.03.2021 (Shift-II) Stage Ist

Ans. (d) : Given,

$$B = 6, T = 4, Q = 8, R = 24$$

$$\text{Then, } R \times T \div Q + T$$

$$\text{On substituting the letter from their given value,} \\ = 24 \times 4 \div 8 + 4$$

$$= 24 \times \frac{4}{8} + 4$$

$$= 12 + 4 = 16$$

73. A person has four silver articles - P, Q, R and S, each of different weight. The weight of P is three times that of Q. The weight of Q is two and a half times the weight of S. The weight of R is equal to half of the weight of S. Which of the following silver articles weight the least ?
 (a) Q (b) P
 (c) S (d) R

RRB NTPC 29.12.2020 (Shift-II) Stage Ist

Ans. (d) : Let the weight of R = x kg

According to question –

$$\text{Weight of S} = 2x \text{ kg.}$$

$$\text{Weight of Q} = 2x \times \frac{5}{2} = 5x \text{ kg.}$$

$$\text{Weight of P} = 5x \times 3 = 15x \text{ kg.}$$

It is clear that R has the lightest in weight.

74. Read the following paragraph and answer the question based on it.
 The ongoing progress in technologies continue to throw up fresh risks related to data privacy and security. There can be no true progress in technologies without such risks. The IT industries need to be equipped to handle such risks.
 Which option relates best to the above statement.
 (a) True progress in technology involves some risks too.
 (b) IT industries are not equipped to handle such threats.
 (c) Progress must be free of risks and threats.
 (d) Data privacy and security is not important to the IT industry's.

RRB NTPC 27.04.2016 Shift : 2

Ans. (a) : It is clear from the above statement that the continuous progress of technology also involves some risks.

75. Read the following passage and answer the questions based on it.
 The tiger is the top predator of Indian forest. It is at the top of the food chain. Forest is necessary for the survival of such predator by the forest conservation, we must ensure the safety of their wild habitat. Tigers areas should also be protected from predators. The forest department should establish preventive measures to stop poaching. These will help in maintaining their numbers in the forests.

Which of the following given statement is not appropriate in the context of the above statements.

- (a) Forest is needed to be protected for tigers to survive.
 (b) Poaching is a danger for tiger conservation.
 (c) Wild tigers are less in numbers.
 (d) The tiger is at the top of the food chain.

RRB NTPC 22.04.2016 Shift : 1

Ans. (c) : option (c) "wild tigers are in less numbers" is not mentioned anywhere in the passage, Hence, this option is not appropriate in the context of the given statement.

76. Read the statements carefully based on the situation given below and choose the most appropriate option from the given options.
 Research has shown that playing outdoors improves children's health. Nowadays children do not get time to play outside.
 Parents should.

- (a) They encourage children to play indoor games.
 (b) They should not send children to school.
 (c) They should make it compulsory to play outside.
 (d) Replan their office hours so that they can spend more time to play with the children.

RRB NTPC 18.01.2017 Shift : 2

Ans. (c) : Parents should make it mandatory to play outside. Hence, option (c) is correct.

77. In the given context choose the most appropriate option.
 For the first offence committed by an employee of the factory, the manager may either dismiss the employee from the job or charge a fine or give a written warning. The account officer J has embezzled Rs. 1200. This is J's first crime, what should his manager do?.

- (a) Dismiss him from the job.
 (b) Impose Rs. 5 fine on J.
 (c) Call a meeting and compliment him for his behaviour.
 (d) Call J and warn him.

RRB NTPC 18.01.2017 Shift : 2

Ans. (a) : According to the above statement option (a). "Dismiss him from the job" is correct.

78. Read the details given below and answer the questions correctly.
 Inflation is defined as having less material in more money, it increases prices and reduces the purchasing power of the currency. So one is forced to spend more money for the same level of usage.

According to the given statement which of the following options is correct.

- (a) Price increases due to more consumption.
 (b) Increase in the price is related to demand & supply.
 (c) Prices increase due to high supply and low demand.
 (d) Prices rise due to low supply of materials and high demand.

RRB NTPC 30.03.2016 Shift : 2

Ans. (d) : According to the above discription, prices rise due to less supply of materials and high demand. Hence statement (d) is correct.



79. In a village school W provides education from Nursery to class 4. In the same village school B and school K provide education from class 5 to 10th. School F, which is in a nearby city, provides higher secondary education, that means only class 11th and 12. The village has only three schools. Parents in the village have requested the local Panchayat for more schools.

Which of the following conclusion come out from the given statements?

- There is less school in the village because the parents doesn't want to teach their children's.
- Due to lack of teachers, the village school can't compete with the cities school.
- For higher secondary education, the children of the village have to travel to nearby city.
- If school F also starts providing primary education then parents will send their children to the city.

RRB NTPC 31.03.2016 Shift : 2

Ans. (c) : Children of the village have to travel to a nearby city for higher secondary education. Because according to the statement in the village, education is provided only till the 10th standard.

80. Find the similarity among the following Elephant, Camel, Buffalo, Giraffe

- The milk produced by all of these cannot be used by the people.
- All of these have horns.
- None of them are mammal.
- The young ones of these are called calves.

RRB NTPC 03.04.2016 Shift : 1

Ans. (d) : The children of all these are called calves.

81. Read the given statements carefully and answer the question

Statement:

A leading tennis star who faced media after failing a dope test said, "I don't want to end my career this way. I hope I will be given another chance to this game, I have embarrassed this game.

Which of the following is true according to the given statement?

- He was challenging the outcome of the dope test
- He was confident that he was right and would continue to play
- He agreed on the positive result of dope test.
- The sport embarrassed him.

RRB NTPC 05.04.2016 Shift : 3

Ans. (c) : It is clear from reading the question that he agreed on the positive result of the dope test.

82. Read the given statement carefully and answer the question.

Mobile phones are becoming dangerous at the time of exams because the students are often taking them in the examination hall. The state board of education is finding it difficult to prevent the students and the invigilators from taking mobile phones in the examination halls.

According to the given statement, which of the following statement is true?

- Students and teachers are involved with each other.
- There is no proper system to examine the entry of mobile phones in the examination centres.
- The state education board is not serious about this problem.
- There is no network jammer in the examination centres.

RRB NTPC 05.04.2016 Shift : 2

Ans. (b) : It is clear from the statement that there is no proper system to check the entry of mobile phones in the examination centers.

83. Arrange the scattered letters and make a meaningful English word and choose that word which is different from all.

- AFMR
- NDAL
- PLCA
- TLPNA

RRB NTPC 17.01.2017 Shift-2

Ans. (c) :

AFMR → FARM → Agricultural land
NDAL → LAND → Land
PLCA → No meaningful words
TLPNA → PLANT → Plant

84. Select the combination of numbers in such a way that the letters form a meaningful word.

N P O A C L M I

1 2 3 4 5 6 7 8

- 5, 3, 2, 7, 6, 4, 8, 1
- 5, 3, 7, 2, 6, 4, 8, 1
- 4, 7, 5, 1, 6, 8, 2, 3
- 1, 7, 8, 6, 4, 3, 2, 5

RRB NTPC 16.04.2016 Shift : 2

Ans. (b) : Meaningful word is as follows—
53726481 → COMPLAIN

85. Solve the jumbled word 'CCITRKE' so that it becomes a correct word of English and then tell the fifth letter of the correct word?

- C
- K
- E
- I

RRB NTPC 28.03.2016 Shift : 1

Ans. (b) : Meaningful word → CRICKET

Fifth letter of the word → K.

86. Read the following statements and choose the option which is not correct according to the given statement.

Statements : The cost of six mangoes is equal to the cost of 4 apples. The cost of 8 apples is equal to the cost of 2 jackfruits.

- A mango is not as expensive as an apple.
- An apple is cheaper than a jackfruit.
- Jack fruit is the most expensive among all of them.
- An apple is not as expensive as a mango.

RRB NTPC 18.01.2017 Shift : 1

Ans. (d) : Rate of 6 Mangoes = Rate of 4 apples

(Given)

Suppose

Rate of 1 Mango = Rs. 1

Rate of 6 Mangoes = Rs.6

∴ Rate of 4 apples = Rs.6



\therefore Rate of 1 apple = Rs. $\frac{3}{2}$
 \therefore Rate of 8 apples = Rs. 12
 So, Rate of 2 Jackfruits = Rs. 12
 \therefore Rate of 1 jackfruit = Rs. 6
 Hence, mango has lowest price and jackfruit has the highest.
 Hence option (d) is not following according to the given statement

87. In a college those student are granted entry, who satisfy the following criteria.

1. Those students who have scored 85% in physics, 90% in math and 80% marks in chemistry.
2. Those students who scored minimum of 70% marks in English.
3. Those students who are expert in sports or musical instruments.

College will grant definite entry to-

- (a) R scored 90% marks in Physics, 80% marks in Chemistry, 8% marks in Maths and 75% marks in English and plays flute.
- (b) Q scored 89% in Physics, 91.5% in Maths, 80% in English and 82% in Chemistry and he is a dancer.
- (c) P scored 78% marks in chemistry, 88% marks in Maths, 89% marks in Physics, 80% marks in English and he plays hockey.
- (d) S scored 90% marks in Physics, 91% marks in Chemistry, 95% marks in Maths, 81% marks in English and he plays violin.

RRB NTPC 30.03.2016 Shift : 2

Ans. (d) : The college will definitely admit student S. Because S scored 90% In Physics, 81% in Chemistry, 95% in Mathematics and 81% in English and 'S' also plays violin.

88. A company recruits candidates satisfying the following criteria.

1. Candidates who secured at least 85% in standard 10th or its equivalent
2. Candidates who secured at least 65% in standard 12th or its equivalent
3. Candidates who are not from commerce background

Who among the following candidates will be definitely selected by company

- (a) Jitesh is a science student having scored 70% in standard 12th and 80% in 10th with an excellent sports background
- (b) Mahesh scored 80% in standard 12th, 90% in standard 10th and secured 2nd place in his college among all Commerce students
- (c) Jayesh scored 75% in standard 10th, 75% in standard 12th and is an art student
- (d) Jignesh secured 80% in standard 12th, 88% in standard 10th and is a Science student with great acting skills

RRB NTPC 30.03.2016 Shift : 1

Ans. (d) : The company will appoint Jignesh as Jignesh has scored 80% marks in class 12 and 88% marks in class 10th and is a student of Science.

89. A call center recruits candidates with the following criteria-

1. Candidate should have passed at least 10th standard
2. Candidate must be fluent in English and Hindi
3. Candidate must be ready to work in both day and night shifts

Which candidates among the following will definitely be admitted to call centres

- (a) Seeta is a graduate, fluent in Marathi, Hindi and English and can work only in day shift
- (b) Sarita is fluent in English, Tamil and Hindi, can work in both shifts and has no formal education
- (c) Smita speaks English and Hindi very well, is ready for day as well as night shifts and studied till 12th standard
- (d) Savita can work in both shifts, has passed 10th standard with 65% and speaks fluent in Hindi and Marathi

RRB NTPC 31.03.2016 Shift : 2

Ans. (c) : Smita fulfills the given criteria. So Smita will definitely be admitted to the call centre.

90. An IT firms select those students who fulfills the following criteria-

1. Such students who have scored at least 70% marks in class 10th or its equivalent
 2. Such students who have scored at least 60% marks in class 12th or its equivalent
 3. Such students who are from science stream.
- Which of the following students will definitely be selected by the firm**

- (a) S is a student of Art stream. Who has scored 70% in class 12th and 60% in class 10th
- (b) P has scored 80% in class 12th and 90% in class 10th and has studied commerce
- (c) U, who has scored 65% in class 10th and 65% in class 12th and has studied science
- (d) G, Who has scored 75% in class 10th and 65% in class 12th and has studied science

RRB NTPC 31.03.2016 Shift : 1

Ans. (d) : Only student G can fulfills all the three given criteria because student G has more than 70% in class 10 and more than 60% in class 12 and has studied Science.

91. Find the similarity in the following. Boat, Ship, Submarine, Sports Boat

- (a) These all move in the water.
- (b) These are all pot of water.
- (c) They all have a high hull.
- (d) These all made of Paper.

RPF Constable 19.01.2019 Shift : II

Ans. (a) Boat, Ship, Submarine and Sports boat are means of moving in water.

92. Find the similarity in the followings.

Bulb, Sun, Lamp, Candle

- (a) All is made of wax.
- (b) All work on the electricity.
- (c) Available at all stores
- (d) All is source of light

RRB NTPC 05.04.2016 Shift : II

Ans. (d) Bulb, Sun, Lamp and Candle are source of light.